



5/S



SAN FRANCISCO
PUBLIC LIBRARY

GOVERNMENT INFORMATION CENTER
SAN FRANCISCO PUBLIC LIBRARY

REFERENCE BOOK

Not to be taken from the Library

JUN 28 1985

SAN FRANCISCO PUBLIC LIBRARY



3 1223 90119 7732



Digitized by the Internet Archive
in 2015

ELECTRICAL CODE

With amendments to and including August 13, 1951



DOCUMENTS DEPT.

OCT 26 1953

SAN FRANCISCO
PUBLIC LIBRARY

PART II

Chapter III of San Francisco Municipal Code



Revised under the direction of

IN R. McGRATH, Clerk of the Board of Supervisors

REF

352

SA52ELE

1951



SAN FRANCISCO
PUBLIC LIBRARY

REFERENCE BOOK

Not to be taken from the Library

(Series of 1939)

"AN ORDINANCE REGULATING THE INSTALLATION, REPAIR AND MAINTENANCE OF ELECTRIC WIRING, APPLIANCES AND EQUIPMENT INSTALLED IN BOTH PRIVATE AND PUBLIC BUILDINGS AND STRUCTURES; REGULATING THE SALE OF ELECTRICAL MATERIAL; REGULATING THE WIRING AND ILLUMINATION OF SIGNS; REGULATING THE ERECTION OF POLES AND ELECTRIC WIRES; REGULATING THE WIRING AND ILLUMINATION OF THEATRES, MOVING PICTURE HOUSES, AND PLACES OF PUBLIC ASSEMBLAGE; REGULATING THE USE OF ELECTRICAL DEVICES, APPLIANCES, EQUIPMENT, OR APPARATUS WHICH INTERFERE WITH RECEPTION OF RADIO SIGNALS; ESTABLISHING UNDERGROUND DISTRICTS; PROVIDING FOR THE INSPECTION OF ALL ELECTRICAL WORK; ESTABLISHING PERMITS AND FEES FOR THE FOREGOING AND PROVIDING PENALTIES FOR THE VIOLATION THEREOF; PROVIDING FOR THE INCLUSION OF THE PROVISIONS OF THIS ORDINANCE IN THE SAN FRANCISCO MUNICIPAL CODE; AND REPEALING CERTAIN ORDINANCES RELATING TO THE AFOREMENTIONED SUBJECTS."

Be it ordained by the People of the City and County of San Francisco:

Section 1. This ordinance shall be known as the "Electrical Code" of the City and County of San Francisco.

Section 2. This ordinance shall apply to all electrical work performed and materials, appliances, and equipment sold or furnished for installation on any poles, on or in any building or structure erected, constructed, altered, repaired, raised, added to, or built upon within the boundaries of the City and County of San Francisco, except as herein otherwise provided.

Section 3. If any section, sub-section, subdivision, paragraph, sentence, clause or phrase of this ordinance, or any part thereof, is for any reason held to be unconstitutional or invalid such decision shall not affect the validity of the remaining portions of this ordinance, or any part thereof.

The Board of Supervisors hereby declares that it would have passed each section, sub-section, subdivision, paragraph, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, sub-sections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional.

Section 4. The provisions of this ordinance shall be included in and designated Chapter III, Part II, of the San Francisco Municipal Code.

Section 5. Those ordinances and sections of ordinances hereinafter specified, all of which are superseded by and relate to subjects contained in and regulated by the provisions of Ordinance No. 6595 (Series of 1939) are hereby repealed, to wit:

ORDINANCE NUMBER

698 (4/15/1903)
963 (9/16/1903)
1047 (11/5/1903)

NEW SERIES

1928, 2292, 2293, 2732, 3790, 9120.

ORDINANCE NUMBER—CODE SERIES

Bill 1059, Ord. 11.113; Bill 1075, Ord. 11.114; Bill 1076, Ord. 11.115; Bill 1077, Ord. 11.116 (except Sec. 6); Bill 1585, Ord. 11.117; Bill 1776, Ord. 11.118.

SERIES OF 1939

3069, 3594, 4878, 4976, 5092.

DOCUMENTS DEPT.
SAN FRANCISCO
PUBLIC LIBRARY

*352

sa52ele

1951

CHAPTER III

ELECTRICAL CODE

- Article 1. Title and Scope.
- Article 2. Definitions.
- Article 3. Registration.
- Article 4. Permit Procedure and Fees.
- Article 5. Inspection.
- Article 6. Enforcement.
- Article 7. Regulations for Sale of Electrical Material.
- Article 8. Electric Signs.
- Article 9. Theatres, Moving Picture Houses and Places of Public Assemblage.
- Article 10. Regulations for Erection of Poles and Electric Wires.
- Article 11. Underground Districts.
- Article 12. Miscellaneous Provisions.

ARTICLE 1

TITLE AND SCOPE

- Sec. 101. Title.
- Sec. 102. Purpose.
- Sec. 103. Scope.
- Sec. 104. Maintenance.
- Sec. 105. Interpretation.

SEC. 101. **Title.** This chapter known as the Electrical Code is a portion of the San Francisco Municipal Code, and will be referred to in this chapter as "this code."

SEC. 102. **Purpose.** The purpose of this code is to safeguard life and limb, health and public welfare, buildings, structures, and their contents from hazards arising from the use of electricity for light, heat, power, radio signaling and for other purposes.

SEC. 103. **Scope.** This Chapter shall apply to all electrical work performed and materials sold and furnished for installation in or on any building or structure within the boundaries of the City and County of San Francisco except as otherwise exempted by this Article. No electric wiring for light, heat, or power, radio signaling, or other purpose shall be installed hereafter within or on any building or structure, either private or public, or on other premises, including yards, carnival and parking lots, nor shall any alteration or extension of an existing wiring system be made except in conformity with the provisions of this chapter and rules that may be adopted and promulgated by the Director of Public Works under the provisions of this code.

In adopting rules for electrical control the Director of Public Works shall embody the most approved methods and practices for the safety of life and property.

Except as may be provided otherwise in this chapter, or in duly adopted rules, the requirements of the National Electrical Code being the Standards of the National Board of Fire Underwriters for Electrical Wiring and Apparatus, and the State Safety Orders in effect, shall be deemed to be such most approved methods and practices.

Where, in any specific case, different sections of this code specify different materials, methods of construction, or other requirements, the most restrictive shall govern. In the case of any conflict between a general provision and a special provision, the special provision shall govern.

SEC. 104. **Maintenance.** In all buildings or structures, both existing and new, all electrical wiring and installations shall be maintained in a safe condition. All electrical devices or safeguards which are required by this code in a building or structure when installed, altered, or repaired, shall be maintained in good working order. The owner and his designated agent shall be responsible for the maintenance of all electric wiring and installations.

SEC. 105. **Interpretation.** It is the declared intention of this code to define minimum standards which will produce safe electrical wiring and installations. Nothing in this code shall be construed to prevent the installation of wiring or equipment being used which are obviously better than called for by the provisions of this code.

ARTICLE 2

DEFINITIONS

Sec. 201. Administrative Terms.

Sec. 202. Definitions.

SEC. 201. Administrative Terms.

"Director of Public Works." The Director of Public Works of the City and County of San Francisco, hereinafter referred to as the Director, acting directly or through the Superintendent of the Bureau of Building Inspection and the Chief Electrical Inspector, Electrical Inspection Division of the Bureau of Building Inspection, shall have charge, superintendence and control of all matters herein set forth.

"Department." Department shall mean the Department of Public Works of the City and County of San Francisco.

"Superintendent." The Superintendent of the Bureau of Building Inspection, Department of Public Works of the City and County of San Francisco, hereinafter referred to as the Superintendent, is the authorized representative of the Director and next in authority in the enforcement of this code.

"Approved" when used in connection with any material or appliance. Meeting the requirements and approval of the Superintendent, and the Chief Electrical Inspector.

"As directed, required." Directed and required by the Superintendent or by the Chief Electrical Inspector.

"Chief Electrical Inspector." The Chief Electrical Inspector, Electrical Inspection Division of the Bureau of Building Inspection, Department of Public Works, City and County of San Francisco, hereinafter referred to as the Chief Electrical Inspector is the authorized representative of the Superintendent and the Director in the enforcement of this code.

"Electrical Inspection Division." The Electrical Inspection Division of the Bureau of Building Inspection, Department of Public Works of the City and County of San Francisco.

"Electrical Safety Orders." Electrical Safety Orders of the Department of Industrial Relations, Division of Industrial Safety, State of California.

"Central Permit Bureau." The Central Permit Bureau of the Department of Public Works, City and County of San Francisco.

"San Francisco or City." The City and County of San Francisco.

"State." State of California.

"State Safety Orders." Electrical Safety Orders of the Department of Industrial Relations, Division of Industrial Safety, State of California.

SEC. 202. Definitions. For the purpose of the provisions of this code, wherever the following words, terms or phrases occur either in this code or in the supplementary rules and regulations thereto, or in any application certificate, drawing, permit, plan or specification submitted for the purpose of obtaining an electrical permit, the definitions herein given shall be deemed to be the meaning of such words, terms or phrases except where otherwise expressly stated.

"Apartment." A room or suite of rooms in an apartment house or dwelling occupied, or intended or designed for occupation, by one family for living or sleeping purposes.

"Apartment House." Any structure more than one story in height, or any portion of any such structure occupied, or designed, built or rented for occupation as a home by three or more families, each living in a separate apartment and cooking within the structure.

"Assembly Room." A room arranged, used or intended to be used by a group of persons assembled for any purpose other than for a regular business or dwelling.

"Building or Structure." Any structure the arrangement of which may affect the safety, health or general welfare of persons, animals, chattels, or property of any kind.

"Building—Existing Building." A building erected prior to the adoption of this code.

"Cabaret or Night Club." Any room, place or space in the city in which any musical entertainment, singing, dancing or other similar amusement is permitted in connection with the restaurant business or the business of directly or indirectly selling to the public, food and drink.

"Dwelling." Any structure, or any portion of a structure, other than an apartment house or hotel, containing one or more apartments or guest rooms.

"Electrical Work." Electrical work shall mean and include the placing, installing, erecting, or connecting of any electrical wires, fixtures, appliances, apparatus, raceways, conduits or conductors, or any part thereof which shall operate at more than twenty-five (25) volts, or which shall generate, transmit, transform or utilize more than fifty (50) watts; provided electrical work as herein defined shall not mean or include maintenance, repair, or operation of electrical apparatus for minor repairs and replacement.

"Exit." An exit is a continuous and unobstructed means of egress to a public way, and shall include intervening doorways, corridors, ramps, stairways, smoke-proof towers, horizontal exits and exterior courts.

"Fixture Work." Fixture work shall mean and include the hanging, placing or installing of any electrical lighting fixture, or the connection of same to electrical circuits or any part thereof, already done or installed whether as original work, alteration or repairs.

"Maintenance Work." Maintenance work shall mean the keeping in repair and operation of any and all existing electrical installations, apparatus, and equipment, but does not include the installation of additional electrical work, electrical equipment, or electrical apparatus.

"Marquee." A permanent roofed structure attached to and supported by the building.

"Owner." The owner or owners of the freehold of the premises or of a lesser estate therein, a vendee in possession, or the lessee or joint lessee of the whole thereof.

"Person." Any person, firm, association, organization, partnership, business trust, corporation, company, municipal, state or federal agency, executors, administrators, successors, assigns or agents, or their heirs.

"Premises." Land including improvements or appurtenances or any part thereof.

"Repairs." The reconstruction or renewal of any part of an existing structure or existing electrical work for the purpose of its maintenance. The word "repair" or "repairs" shall not apply to any change of construction.

ARTICLE 3

Registration

Sec. 301. Registration.

Sec. 302. Registration Classifications.

Sec. 303. Plant Survey.

Sec. 304. Plant Owners to Report Employees.

Sec. 305. Unlawful Work—Plant Owners.

SEC. 301. Registration. It shall be unlawful for any person, firm or corporation to engage in, conduct, contract for, or carry on the business of installing or altering electrical work or fixture work in, on or about any building or structure in the City and County of San Francisco, or advertise or display a sign or otherwise hold himself or itself out to the public as engaging in, conducting or carrying on any such business, unless such person, firm or corporation is the holder of a Master Electrician's Certificate or Specialty Electrician's Certificate duly granted to him as provided for in this Article.

(a) **Certificate of Registration.** Every Master Electrician, Specialty Electrician, and every Plant Owner, before doing or installing any electrical work, or fixture work, or causing the same to be done or installed in, on or about any building or structure in the City and County of San Francisco, shall be registered with the Electrical Inspection Division, and obtain a Certificate of Registration. Each registration shall be renewed on or before January 2nd of each year, so long as he or it shall continue to do or install, or cause to do or install, any electrical work or fixture work.

(b) **Cancellation of Certificate Upon Death.** In the event of the death of a person holding a Certificate of Registration as a Master Electrician or Specialty Electrician, said Certificate or Registration shall immediately become cancelled.

(c) **Sale, etc., of Certificate Prohibited—Exception.** It shall be unlawful for any person, firm or corporation to sell, assign or transfer any Certificate of Registration as Master Electrician or Specialty Electrician to any person, firm or corporation other than the partner of the firm, or the director of the corporation to which the Certificate of Registration was originally issued.

(d) **Exemption From Registration.** Nothing in this Article shall be construed as requiring the issuance of Certificates of Registration as Master Electrician, Specialty Electrician or Plant Owner to any person, firm or corporation operating as a public utility as defined in the Public Utility Act of 1915, where the electrical work is incidental or necessary to the operation or conduct of the business of such public utility, or the issuance of such certificates to any public utility's affiliate, associate, subsidiary or employee thereof, engaged exclusively in such electrical work for such public utility.

(e) **Renewal of Registration Certificates.** Certificates of Registration issued to Master Electricians, Specialty Electricians and Plant Owners shall be renewed on or before January 2nd of each year.

(f) **Expiration of Registrations.** Unless Certificates of Registration are renewed within thirty (30) days after the date of expiration of said certificates, said certificates shall become void and the holder of same shall be required to pay registration fees as a new applicant, provided, however, that this shall not apply to a member of the armed forces of the United States, or the State of California, during time of war or during any emergency lawfully declared by the President of the United States, who at the time of entering aforesaid armed forces was a bona fide holder of an unexpired Certificate of Registration, and who makes application for a renewal of his Certificate of Registration within ninety (90) days from the date of receiving an honorable discharge or certificate of honorable active service.

(g) **Registration Fees.** Before any Master Electrician, Specialty Electrician or Plant Owner shall become registered as required by this Article, he shall pay the following fees to cover the cost of handling said registrations, the cost of checking plans and specifications and the rendering of other services necessary for the correct installation and approval of electrical and fixture work:

Classification of Registration	Fees for 1st Year	Fees for Annual Renewal
Master Electrician	\$125.00	\$62.50
Specialty Electrician	125.00	62.50
Plant Owner	12.50	12.50

Where the Registration Certificate is applied for after the first day of July of each year, the fees for registration as a Master Electrician or Specialty Electrician shall be one-half ($\frac{1}{2}$) of the amount specified herein.

(h) **Deposit.** Every person, firm or corporation obtaining a Certificate of Registration as a Master Electrician or Specialty Electrician shall upon issuance of said certificate, deposit with the Central Permit Bureau the sum of One Hundred (\$100.00) Dollars, in cash as a guarantee for the payment of all fees for permits, inspections or penalties that may become due and be owed by such person, firm or corporation to the City and County of San Francisco and as a further guarantee that all electrical work, fixture work or specialty electrical work done under authority of said Certificate of Registration will be done in compliance with all the provisions and requirements of all ordinances, rules and regulations of the City and County of San Francisco applicable thereto.

(i) **Electrical Deposit Fund.** The Central Permit Bureau shall receive the deposits aforesaid and shall cause the same to be placed in the City and County Treasury in a special trust fund to be known as the Electrical Deposit Fund which fund is hereby established.

(j) **Return of Deposit.** When a holder of a Certificate of Registration either as a Master Electrician or Specialty Electrician having made a cash deposit as in this Article provided, shall have ceased to carry on all business and perform any and all work for which said Certificate of Registration is by this Article required, and when all work under Permits issued to such person, firm or corporation shall have been completely inspected and approved, and when all fees and other charges due and owing to the City and County of San Francisco by said person, firm or corporation shall have been paid, and if no charges shall be pending against said person, firm or corporation for any violation of any existing laws, rules and regulations of the City and County of San Francisco pertaining to electrical work, fixture work or specialty electrical work, then said person shall be entitled to have returned to him the said deposit of One Hundred (\$100.00) Dollars, or such portion thereof as may then remain to his credit, after deduction therefrom, as in this Article provided.

(k) **Issuance and Revocation of Registrations.** The Director shall have the power to issue all Certificates of Registration provided for in this Article. When a Master Electrician, Specialty Electrician or Plant Owner does or installs electrical work or fixture work not in accordance with the approved standards or any existing laws of the City and County of San Francisco or rules and regulations adopted and promulgated under authority thereof and which is dangerous to life or property, and after receiving written notice from the Director to correct such complaints, continues to do or install electrical work not in conformity with the provisions of this Article and rules and regulations adopted and promulgated under authority thereof, he shall have his or its registration suspended, cancelled or annulled. The Director shall have the power to cancel, suspend or annul Certificates of Registration under the provisions of this Article.

(l) **Unlicensed Installations Prohibited.** It shall be unlawful for any Master Electrician, Specialty Electrician or Plant Owner whose Registration Certificate has been suspended, cancelled or annulled to do or install electrical work or fixture work until he or it has been reinstated by the Director, and a new Certificate of Registration issued to him.

(m) **Fee for Reinstatement.** If a certificate of registration is cancelled or annulled, the applicant for reinstatement shall pay the same fee for reinstatement as if not registered before.

(n) **Unlawful Uses of Registration.** It shall be unlawful for any Master Electrician, Specialty Electrician or Plant Owner to permit its name or Certificate of Registration to be used by any other person, firm or corporation for the purpose of obtaining a permit from the Department for the doing or installing of electrical or fixture work, which is not to be done or installed by the Master Electrician, Specialty Electrician or Plant Owner obtaining such permit. For the violation of the provisions of this section, in addition to any other penalties provided for, the Certificate of Registration of the Master Electrician, Specialty Electrician or Plant Owner so violating such provisions shall be suspended, cancelled or annulled.

SEC. 302. Registration Classifications. There shall be three (3) classes of registration designated as follows:

(a) **Master Electrician.** Master Electrician shall include and mean every person, firm or corporation installing or causing to be installed or done under his or its supervision any electrical or fixture work as hereinbefore defined, except as classified under Specialty Electrician or Plant Owner.

(b) **Specialty Electrician.** Specialty Electrician shall include and mean every person, firm or corporation doing or installing or causing to be done or installed under his or its supervision any special type of electrical or fixture work that is pertinent to the particular business that such person, firm or corporation is engaged in, except as classified under Master Electrician and Plant Owner. Specialty Electrician shall mean and include every person, firm or corporation that contracts for the installation of electrical or mechanical equipment, apparatus or electrical fixtures, and the electrical installation which is necessary for the proper installation or functioning of said equipment, apparatus or electrical fixtures.

(c) **Plant Owner.** Plant Owner shall mean and include every person, firm or corporation doing or installing or causing to be done or installed under his or its supervision, any electrical or fixture work, as hereinbefore defined, in any apartment house, hotel building or office building by means of electricians directly and permanently employed by said person, firm or corporation, for the purpose of performing said electrical or fixture work in any apartment house, hotel building or office building which he or it operates as owner or lessee.

SEC. 303. Plant Survey. Before any Plant Owner shall be registered as provided for in this Article, it shall be the duty of the Chief Electrical Inspector to first make, or cause to be made, a survey of all existing electrical equipment and electrical installations in the premises occupied by said Plant Owner, to determine whether or not said Plant Owner is entitled to a Certificate of Registration. No such Certificate of Registration shall be granted by the Director to any person, firm or corporation whose premises or electrical installation do not warrant a permanently employed qualified electrician.

SEC. 304. Plant Owner to Report Employees. After a Plant Owner has become registered with the Electrical Inspection Division, said Plant Owner shall keep the Chief Electrical Inspector advised of the names and addresses of all employees doing or causing to be done, any electrical work or fixture work. Employees doing electrical work or fixture work for a Plant Owner are not required to pay a registration fee.

SEC. 305. Unlawful Work—Plant Owners. It shall be unlawful for a Plant Owner to do or cause to be done any electrical or fixture work except under the following conditions:

(1) Such electrical or fixture work is installed by the employees registered as provided for in Section 304 of this Article.

(2) Such electrical work or fixture work is installed in accordance with the provisions of this Article, and all other rules and regulations promulgated under authority thereof.

(3) Such electrical or fixture work done or installed for a tenant or lessee in a building owned or operated by a Plant Owner shall be done without cost to said tenant or lessee.

ARTICLE 4

PERMIT PROCEDURE AND FEES

Sec. 401. Permit Before Performing Electrical or Fixture Work.

Sec. 402. Application for Permit.

Sec. 403. Permit Fees to be Paid in Advance.

Sec. 404. Permit Fees.

Sec. 405. Penalty for Installing Electrical Work Without Permit.

Sec. 406. Deposits of Moneys Received.

SEC. 401. Permit Before Performing Electrical or Fixture Work. Every person, firm or corporation shall, before doing or installing or causing to be done or installed, any electrical or fixture work in, on or about any building or structure in the City and County of San Francisco, file with the Department on a form to be furnished by it, a written application for a permit to do such work and obtain a permit therefor.

(a) **Permit Holder to Be Contractor in Fact.** No person, firm or corporation registered as a Master Electrician or Specialty Electrician shall file an application for a permit to do or install or cause to be done or installed, any electrical or fixture work in, on or about any building or structure in the City and County of San Francisco, unless said person, firm or corporation is in fact the contractor for such work. The person, firm or corporation installing the electrical or fixture work shall contract directly with the person, firm or corporation owning, leasing or renting the building or structure in or on which the electrical or fixture work is done or installed. The Director shall have the power to cancel any permit found by him to be issued contrary to the provisions of this section.

(b) **Permit to Owner.** A permit for the installation of electrical or fixture work in, on or about any building used or occupied as a single family dwelling in the City and County of San Francisco shall be issued by the Department to the Owner of said building, provided said electrical or fixture work is done by such Owner, or husband, brother or son of such Owner.

(c) **Permit to Owner, Not to Issue, When.** A permit for the installation of electrical or fixture work shall not be issued to an Owner unless the person who is to install the electrical work is named on the permit and said named person shall appear before the Chief Electrical Inspector and show by answering such questions as may be asked by the Chief Electrical Inspector or his representative that he has sufficient knowledge to do or install such electrical or fixture work.

(d) **Correction of Defective Work.** If it is apparent from the character of the work installed under a permit to Owner, that the Owner or person named in the permit is not qualified or competent to do or install the electrical or fixture work, the Director may require such portion of the work that is in violation of this Article to be changed, altered or repaired by a Master Electrician.

(e) **Permit to Be Posted.** When a permit is issued by the Department, said permit shall be conspicuously posted on the premises wherein or whereon the electrical work therein described is to be done or installed.

(f) **Illegal Use of Permit.** No person, firm or corporation, registered as a Master Electrician or Specialty Electrician shall file an application for a permit to do or install any electrical or fixture work unless such person, firm or corporation has a contract to do or install the same, or intends to do or install such electrical work on his or its own behalf and for his or its account. The Director shall have the power to cancel any permit found by him to be contrary to the provisions of this section.

(g) **Rights of Public Utilities.** Nothing in this Article shall be construed as requiring any person, firm or corporation operating as a public utility to file any applications for permits to do or have inspection made of, any electrical or fixture work necessary for the generation and supply of electrical energy to the public as a public utility, and for the generation and supply of electrical energy for street railway purposes, provided, however, that this exemption shall not relieve such public utility from the necessity of filing applications for any other electrical work or having the same duly inspected and paying the fees therefor.

(h) **Right to Cancel Permits.** The Director shall have the power to cancel permits where the electrical or fixture work therein has not been commenced within sixty (60) days from and after the date of issuance of the permit therefor, and in the event of such cancellation of such permit the fees paid therefor shall be credited to the account of the person, firm or corporation paying the same and may be treated as a payment equal to the estimated fee payable on any subsequent application or applications for a permit to do electrical or fixture work.

SEC. 402. Application for Permit. The form of application in addition to other matters required by the Director shall contain a brief specification and plans showing the nature and kind of electrical work to be done or installed and the location and description of the premises wherein and whereon such electrical or fixture work is to be done or installed, provided that for buildings of residential occupancy, wherein the electrical load is not in excess of twenty-three (23kw) kilowatts the filing of plans and specifications shall not be required.

SEC. 403. Permit Fees to Be Paid in Advance. At the time the application for a permit is filed, the estimated fees for making an inspection of the electrical or fixture work to be done or installed shall be paid. No permit shall be issued until such application is filed and payment made. Such permit shall be issued by the Director only to a Master Electrician, Specialty Electrician, Plant Owner or Owner.

SEC. 404. Permit Fees. Every person, firm or corporation shall pay to the Central Permit Bureau before the permit provided for in this Article is issued, the following fees or so much thereof as shall be applicable to the work done and inspected and approved, viz:

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| (a) For each lighting outlet, switch, or convenience outlet receptacle..... | \$.20 |
| (b) For each lighting outlet used for outline, coves, border lights for foot-lighting | .05 |
| (c) For each lighting outlet used for panelled lighting (lighting outlets installed behind glass panels) | .20 |
| (d) For each transformer not over 500 volt-amperes used on high voltage decorative, neon outline, or interior neon display signs..... | .25 |
| For each transformer over 500 volt-amperes used as stated above..... | .60 |
| (e) For each lighting fixture connection | .20 |
| (f) For each circuit, except lighting convenience receptacle circuits | .60 |
| (g) For the connection of each motor (including control equipment), generator, transformer, or other devices consuming current up to and including 15 kilowatts, K.V.A., horsepower, or fraction thereof, per kilowatt, K.V.A., horsepower, or fraction thereof..... | .25 |
| Over 15 kilowatts, K.V.A., horsepower, or fraction thereof, per connection | 4.00 |
| (h) For the connection of each heating device including protection equipment, per kilowatt or K.V.A., or fraction thereof | .25 |
| (i) For each screw base lamp receptacle with terminal fittings inside of outlet box or fitting | .10 |
| (j) For temporary wiring and connecting equipment up to and including 10 kilowatts, K.V.A., or horsepower | 2.00 |
| Over 10 kilowatts, K.V.A., or horsepower | 3.00 |
| (k) Providing, however, as a minimum the total amount of any bill of fees to be charged shall not be less than One Dollar and Fifty Cents (\$1.50). | |
| (l) For the inspection of any electrical work for which no fee is herein prescribed, and for the inspection of temporary installation for decorative advertising, theatrical or similar purposes, there shall be charged to and paid by the person, firm or corporation, or agent thereof, or | |

person acting for and on behalf of either thereof, who shall install and do such work or cause the same to be done or installed, a fee of \$5.00 an hour or fraction thereof for the time actually consumed by each inspector making such inspection, before certificate of inspection and approval shall be issued.

- (m) Cold Cathode Lighting installations. The inspection fees for Cold Cathode Interior Lighting installations employing electric discharge type lighting systems having open circuit voltages in excess of 1000 volts shall be as follows:

For each transformer per kva or fraction thereof .....	.50
For each section of electric discharge type luminous tubing .....	.05
Cold Cathode Lighting Fixtures, with cold cathode type electric discharge lamps, or luminous tubes in parallel, and not in excess of 9' 0" in length, shall have the following inspection fees:	
2-Lamp Fixture .....	.35
4-Lamp Fixture .....	.50

- (n) Fluorescent Lighting and Inbuilt Lighting Fixture fees:

Each wiring outlet installed in the walls, ceilings or floors, for the installation of fluorescent lighting shall have an inspection fee per outlet of15

Each fluorescent lighting fixture, whether of the surface, recessed or suspension type, wherein the body of said fixture does not exceed a length of 5' 0", shall have the following inspection fees:

First lamp in fixture .....	.15
Second lamp in fixture .....	.10
Each lamp in excess of two .....	.05

Where the length of said types of fixtures exceeds 5' 0", each lamp shall have an inspection fee of 20¢ per lamp, with the following exception:

Where lamps are installed in parallel in or on the same cross section of a fixture, and said lamp centers are not more than 12 inches apart, the following fees shall govern the lamps in the specific single cross section of the fixture:

First lamp in cross section .....	.20
Second lamp in cross section .....	.10
Each lamp in excess of two .....	.05

SEC. 405. Penalty for Installing Electrical Work Without a Permit. If any person, firm or corporation, or agent thereof, or any person acting for and on behalf of either thereof, shall, after notice thereof has been given in writing by the Director and an opportunity to be heard, be found to have done or installed any electrical or fixture work without first applying for a permit therefor, in violation of the provisions of this Article, such person, firm or corporation or agent thereof, or person acting for and on behalf of either thereof, shall pay to the Central Permit Bureau, for the inspection of such electrical or fixture work, before a certificate of inspection and approval thereof shall be issued, fees equal to five (5) times the amount designated in Section 404 of this Article, as shall be applicable to the work done, inspected and approved, provided, however, that the minimum bill of fees to be charged and paid for any inspection under the provisions of this section shall be Twelve Dollars and Fifty Cents (\$12.50).

SEC. 406. Deposits of Moneys Received. It shall be the duty of the Central Permit Bureau to turn all moneys received under this Article in to the Treasury of the City and County of San Francisco. If payment made at the time of application for a permit shall be insufficient in amount to pay the fees for inspection, no certificate of inspection and approval shall be issued until the balance of such fees shall be paid in full.

ARTICLE 5

INSPECTION

- Sec. 501. Electrical Work, Unlawful to Conceal.
Sec. 502. Certificate of Inspection and Approval.
Sec. 503. Current, Unlawful Use of.
(a). Current, Temporary Use of.
Sec. 504. Inspection of Existing Installations.

SEC. 501. Electrical Work, Unlawful to Conceal. It shall be unlawful to conceal or cause to be concealed, any electrical work in, on or about any building or structure before the same has been inspected by the Chief Electrical Inspector and a tag indicating its approval posted on such building or structure wherein or whereon such electrical work has been done or installed.

SEC. 502. Certificate of Inspection and Approval. Every person, firm or corporation doing or installing or causing to be done or installed, any electrical work or fixture work in, on or about any building or structure in the City and County of San Francisco, shall notify the Electrical Inspection Division when the same is completed. The Chief Electrical Inspector shall make or cause to be made, an inspection of the work, and if such work is done in compliance with all the State laws, and rules or regulations as promulgated under the authority of this Article, there shall be issued by the Director to said person, firm or corporation doing or installing or causing to be done or installed, such electrical or fixture work, a certificate of inspection and approval, which shall contain the date of approval and in concise terms specify the electrical work thus approved. Said certificate shall be issued only for the electrical work for which a permit has been issued.

SEC. 503. Current, Unlawful Use of. No current shall be supplied to any electrical or fixture work in, on or about any building or structure in the City and County of San Francisco unless a certificate of inspection and approval has been issued. When the electrical and fixture work has been completed to the satisfaction of the Chief Electrical Inspector, the Director shall issue and cause to be posted on the premises wherein or whereon the electrical or fixture work is done or installed, a Green Tag, Form A-22, which will permit the connection of said electrical or fixture work for which a permit has been issued.

(a) **Current, Temporary Use of.** The Chief Electrical Inspector is hereby empowered and authorized to permit and approve the temporary use of electrical current to any person, firm or corporation, provided that no temporary use of electrical current shall be permitted in any case where such use shall be a hazard to life or property, and further provided that no such temporary use of electrical current shall be permitted for a longer period than is reasonably necessary to comply with the provisions of this Article, and such period of time may be definitely fixed by the Chief Electrical Inspector at the time of granting said permission.

SEC. 504. Inspection of Existing Installations. If the Director or his authorized representative finds that any installation of electrical or fixture work is defective or not in accordance with the provisions of this Article or any rules and regulations adopted and promulgated under authority thereof, or is dangerous to life or property, the same shall be condemned and the use thereof forbidden until the same has been corrected.

ARTICLE 6

ENFORCEMENT

- Sec. 601. Enforcement.
Sec. 602. Right of Entry.
Sec. 603. Existing Wiring, Unlawful to Disturb.
Sec. 604. Penalty for Failure to Rectify Complaints.
Sec. 605. Condemned Installations, Right to Disconnect.
Sec. 606. Standards Required.
Sec. 607. Rules, Regulations and Standards for Electrical and Fixture Work.
Sec. 608. Non-Liability of City for Damages.
Sec. 609. Exemptions.

SEC. 601. Enforcement. The Chief Electrical Inspector is the authorized representative of the Director and the Superintendent in the enforcement of this code. Whenever it shall be necessary, in the opinion of the Superintendent or the Chief Electrical Inspector, to call upon the Police Department for aid or assistance in carrying out, or enforcing any of the provisions of this code which it is their duty to

enforce, they shall have the authority to do so, and it shall be the duty of the Chief of Police, or of any member of the Police Department, when called upon by the Superintendent or the Chief Electrical Inspector, to act according to the instructions of and to perform such duties as may be required by the Superintendent or the Chief Electrical Inspector in order to enforce or put into effect the provisions of this code that it is their duty to enforce.

SEC. 602. Right of Entry. Every person, firm or corporation or association or agent thereof, or agent acting for and in behalf thereof, owning, leasing, operating or in possession of any building or structure within the City and County of San Francisco, shall permit the Director or his authorized representatives, or any employee of the Electrical Inspection Division to enter such building or structure as often as it shall be deemed necessary by the Director, or his authorized representative for the purpose of inspecting the electrical or fixture work theretofore done or installed in, on or about such building or structure, and it shall be unlawful for any owner, occupant or lessee of any premises wherein or whereon any electrical work has been done or installed and is being used or is in use, to prevent or interfere with any such Inspector in the discharge of his duties under this Article, provided, however, that said Inspector shall, upon request of the owner, occupant or lessee of said premises, exhibit his authority to make such inspection.

SEC. 603. Existing Wiring, Unlawful to Disturb. In any building or structure within the City and County of San Francisco, wherein or whereon electrical work has been done or installed, it shall be unlawful for any person, firm or corporation to change, alter, or extend any electrical work or part thereof after the inspection of same, without notifying the Chief Electrical Inspector in writing and obtaining a permit therefor. Such changes, alterations or extensions shall be inspected and approved before any current shall be supplied thereto.

SEC. 604. Penalty for Failure to Rectify Complaints. The failure and neglect of a Master Electrician or Specialty Electrician to correct, obviate or remove any fault, error or deficiency in the doing or installing of any electrical or fixture work not in accordance with the provisions of this Article or rules and regulations adopted and promulgated under authority hereof, within ten (10) days after the receipt of a written notice from the Chief Electrical Inspector describing said complaints, shall be deemed sufficient cause for the suspending or cancelling of any Certificate of Registration issued by the Director and held by such person, firm or corporation. In addition to the above, the Director shall charge a fee of Five Dollars (\$5.00) for each hour or fraction thereof that the Inspector of the Electrical Inspection Division spends in inspecting electrical or fixture work that is not corrected within the specified ten (10) day period.

SEC. 605. Condemned Installations, Right to Disconnect. Upon failure of any person, firm, corporation or association owning, leasing or in possession of and using any building or structure in the City and County of San Francisco to correct or cause to be corrected, such defective and condemned electrical or fixture work or any part thereof, for a period of ten (10) days after a receipt of a written notice thereof, from the Chief Electrical Inspector to do so, which notice shall specify the corrections to be made, the Chief Electrical Inspector or his authorized representative shall forthwith disconnect the current or direct the person, firm, corporation, or association or agent thereof, or person acting for and on behalf thereof, who shall be supplying electrical current or power to such electrical work or part thereof to disconnect the supply thereof. It shall be unlawful for any such person, firm, corporation or agent thereof, or agent acting for and in behalf of any of them and so supplying such current or power to furnish or renew said supply of current or power without permission of the Chief Electrical Inspector to do so.

SEC. 606. Standards Required. No electrical or fixture work shall be installed or constructed which is dangerous to life or property, and all electrical and fixture work within the City and County of San Francisco shall be done, installed and constructed in conformity with the rules and requirements of the National Electrical Code as approved by the American Standards Association, and the Electrical Safety Orders, as approved by the Division of Industrial Safety, Department of Industrial Relations, State of California, except as such rules and requirements are modified or supplemented.

SEC. 607. Rules, Regulations and Standards for Electrical and Fixture Work. The Director is hereby given power and it shall be his duty as soon as practicable, to hold a hearing or hearings on ten (10) days' notice of the time and place thereof,

given by publication in the then official newspaper of the City and County of San Francisco, to determine generally accepted standards and methods governing electrical and fixture work, in modification of or supplementary to the rules and regulations of the National Electrical Code and State Safety Orders. The present existing supplementary electrical installation rules and orders shall remain in full force and effect except where expressly repealed by this ordinance. As soon as he shall have ascertained the same and made his findings thereon, such modifications thereof and supplementary rules and regulations shall be set forth and adopted by him in a report in the form of rules and regulations governing electrical and fixture work, which rules and regulations shall not be contrary to or inconsistent with any law of the State of California or ordinance of the City and County of San Francisco, and shall forthwith upon adoption be posted in the office of the Electrical Inspection Division, and notice indicating such adoption shall be published for a period of five (5) days in the then official newspaper of the City and County of San Francisco. On the first day after the completion of the publication of the notice aforesaid, the said rules and regulations shall take effect as the standards to which all persons, firms or corporations doing, installing or constructing electrical or fixture work shall conform. No certificate of inspection and approval provided for in this Article shall be issued unless the electrical or fixture work therein described shall conform with the rules and regulations in effect at the time the permit therefor is issued. The Director shall hold a hearing or hearings at such times as he may deem necessary, to ascertain and determine what changes have been made in the standards and methods adopted supplementary to the National Electrical Code and the State Safety Orders, which hearing or hearings shall be held only on the giving of a like notice as in hearings hereinabove provided for. If the Director shall find that the accepted standards and methods adopted as supplementary thereto have been changed, he shall make and adopt such changes or modifications thereof as amendments, additions or repeals of the then existing rules and regulations, which amendments, additions or repeals shall forthwith upon their adoption be posted in the office of the Electrical Inspection Division, and notice indicating such adoption and posting be published in the then official newspaper of the City and County of San Francisco for a period of five (5) days thereafter and shall take effect on the first day after the completion of publication of notice as aforesaid.

SEC. 608. Non-Liability of City for Damages. This Article shall not be construed to relieve from or lessen the liability of any person, firm or corporation owning, operating or installing any electrical or fixture work, or causing the same or any part thereof to be done, for damages to anyone injured by any defect therein, or any negligent doing or installation thereof, nor shall the City and County of San Francisco or any agent thereof be held liable therefor by reason of any inspection herein authorized and made by reason of authority or by reason of the certificate of inspection and approval issued by the Department.

SEC. 609. Exemptions. Nothing in this Article shall be construed in any way to regulate the installation of wires, fixtures, appliances, construction or equipment of any telephone, telegraph, district messenger systems or otherwise protective signal systems operating at not more than one hundred sixty (160) volts, and the same are hereby exempt from any of the provisions of this Article, except that approved protectors or fuses shall be provided and used where such wires enter or leave any building or structure where such circuits are so placed as to be liable to accidental contact with electric light, power or any other wires operating at potential exceeding two hundred fifty (250) volts, nor shall this Article be construed as in any way to regulate the connecting or disconnecting of any temporary current measuring device, which is hereby exempted from all the provisions of this Article.

ARTICLE 7

REGULATION FOR SALE OF ELECTRICAL MATERIAL

- Sec. 701. Electrical Materials for Sale, Etc., Approval of, to Be First Determined.
Sec. 702. Identification Symbols, Etc., Required and Prohibiting Alterations, Etc., of Said Symbols.
Sec. 703. Enforcement and Regulations by Director of Public Works.
Sec. 704. Provisional Approval by Director of Public Works,
Sec. 705. Inspection Fees.
Sec. 706. Penalty.

SEC. 701. Electrical Materials for Sale, Etc., Approval of, to Be First Determined. Every person, firm or corporation, before selling, exposing for sale, offering for sale or as a premium or gift, any electrical material, device or appliance designed for attachment to or installation in or on any electrical circuit or system for light, heat or power, shall first determine if such material, device or appliance is approved for installation and use in the City and County of San Francisco in accordance with the provisions of this Article; and it shall be unlawful for any person, firm or corporation, or any principal, agent or employee thereof, to sell, expose for sale, offer for sale or as a premium or gift, any such material, device or appliance which does not comply with all the provisions of this Article.

SEC. 702. Identification Symbols, Etc., Required and Prohibiting Alterations, Etc., of Said Symbols. All electrical devices or appliances including materials used in installation thereof, or in the installation of the necessary wiring for the utilization of electricity for light, heat or power, shall be only those which are approved for the purpose intended, and the maker's name, trade-mark or other identification symbol shall be placed thereon, together with such other markings giving voltage, current, wattage or other appropriate ratings as may be necessary to determine the purpose and use for which intended; and it shall be unlawful for any person, firm or corporation to remove, alter, change or deface the maker's name, trade-mark or other identification symbol, or any of the necessary rating markings required by this Article.

SEC. 703. Enforcement and Regulations by Director of Public Works. The Director of Public Works of the City and County of San Francisco is hereby authorized and empowered to enforce all of the provisions of this Article, and to make, adopt and promulgate such rules, regulations and specifications as may be necessary or useful in determining conformity of electrical materials, devices and appliances with approved methods of construction for safety to life and property, upon which approval for sale in the City and County of San Francisco shall be based. Conformity of electrical materials, devices and appliances with standards of Underwriters Laboratories, Inc., as approved by the American Standards Association, and other standards approved by the American Standards Association, shall be prima facie evidence that such electrical materials, devices and appliances comply with the requirements of this Article.

SEC. 704. Provisional Approval by the Director of Public Works. The Director of Public Works may grant provisional approval of electrical materials, devices or appliances under the following conditions:

(a) Where no standard has been prepared or adopted to which they should conform.

(b) Where no other materials, devices or appliances of similar type are regularly listed or approved.

(c) Temporary acceptance, in emergency, may be given to materials, devices and appliances not listed by Underwriters' Laboratories, Inc., provided such materials, devices or appliances have been submitted to the Laboratories for test and approval. Such temporary acceptance will ordinarily be granted for a period of ninety (90) days only.

(d) "Provisional approval" (except where no standard has been prepared or adopted to which they should conform) applies only to the particular sample so "provisionally approved" and not to the line as manufactured, stored, sold, installed or attached, and shall be granted only for such materials, devices and appliances, which in the opinion of the Director of Public Works are reasonably safe.

SEC. 705. Inspection Fees, Etc. Every person, firm or corporation before selling, exposing for sale, or offering for sale or as a premium or gift, any electrical material, device or appliance designed for attachment to or installation in or on any electric circuit or system for light, heat or power, shall pay an annual fee

of Ten Dollars (\$10.00) for the inspection of such material, devices or appliances, excepting that no inspection fee shall be charged those persons, firms or corporations selling light globes, but no other electrical appliances. Persons selling electrical material designed for and to be used exclusively on motor propelled vehicles, and who sell no other electrical material, contractors, Master Electricians and Specialty Electricians selling electrical material which is to be used by them in the installation of electrical systems or component parts thereof in regard to such material shall not be subject to the provisions of this Article.

The inspection fee shall be payable annually in advance on the first day of July of each year, payable to and collected by the Central Permit Bureau. If said fee shall not be paid within thirty (30) days after the same shall become due and payable as herein provided, 10% of the amount thereof shall be added thereto as a penalty for non-payment, and if said fee is not paid within sixty (60) days after becoming due 15% of the amount thereof shall be added thereto, and if not paid within ninety (90) days after becoming due, 25% of the amount thereof shall be added thereto.

The inspection for which the fees provided for in this section are imposed shall be made by an authorized employee of the Electrical Inspection Division. The Director may issue a permit to said applicant which permit shall be serially numbered, and delivered to the permittee upon the payment of the inspection fee due, and shall remain in effect until revoked by the Director.

All certificates of inspection, when issued, shall at all times be displayed in the premises for which the same are issued, said display to be made in such manner that said certificates shall at all times be visible to the public.

SEC. 706. Penalty. Any person, firm or corporation, or any principal, agent or employee thereof, violating any of the provisions of this Article shall be guilty of a misdemeanor and upon conviction thereof shall be punished by a fine of not more than Three Hundred (\$300.00) Dollars or by imprisonment in the County Jail for a period of not more than ninety (90) days, or by both such fine and imprisonment.

ARTICLE 8

ELECTRIC SIGNS

- Sec. 801. Definitions.
- Sec. 802. Permit Required.
- Sec. 803. Construction Permit.
- Sec. 804. Permits Issued to Master and Specialty Electricians Only.
- Sec. 805. Application for Permit.
- Sec. 806. No Sign to Be Erected Without Permit—Exceptions.
- Sec. 807. Inspection and Certificate.
- Sec. 808. Fees for Permits.
- Sec. 809. Penalty for Installing Electrical Sign or Outline Work Without a Permit.
- Sec. 810. Permit Holder to Be Contractor in Fact.
- Sec. 811. Electrical Sign Maintenance.
- Sec. 812. Sign Maintenance Work to Be Done by Registered Contractor.
- Sec. 813. Feeder or Circuit Required.
- Sec. 814. Removal of Unauthorized Electric Sign.
- Sec. 815. Electrical Sign Construction and Installation Requirements.
- Sec. 816. Electric Signs, Shop Inspection of.
- Sec. 817. Inspection to Be Made Before Installation.
- Sec. 818. Signs Constructed Elsewhere.
- Sec. 819. Moving of Existing Signs from One Location to Another.
- Sec. 820. Inquiry as to Acceptance of Certificates of Inspection of Signs Made Elsewhere.
- Sec. 821. Electric Signs, Portable.
- Sec. 822. Sign Circuit or Feeder, Minimum Size of.
- Sec. 823. Electric Signs on Exterior of Buildings, Connections, Etc.
- Sec. 824. Sign Feeders for Future Use.
- Sec. 825. Old Signs to Be Removed.
- Sec. 826. Sign Circuit Provisions.
- Sec. 827. Number of Lamps on Single Circuit Sign.
- Sec. 828. Transformers for Single Circuit Signs.
- Sec. 829. Wattage for Single Circuit.
- Sec. 830. Voltage Limitations.
- Sec. 831. Transformers for Secondary Open Circuits.

- Sec. 832. Switches.
- Sec. 833. Neon, Etc., Signs, Disconnect Switch Required.
- Sec. 834. Switches, Flashers, Etc., to Have Current Rating Transformer.
- Sec. 835. Switches in Signs, Etc., to Be Minimum Current Rating.
- Sec. 836. Door Switches.
- Sec. 837. Disconnect Switches.
- Sec. 838. Roof Sign Disconnect Switches.
- Sec. 839. Sign Enclosures.
- Sec. 840. Gauge of Metals.
- Sec. 841. Exterior Enclosures to Be Weatherproof.
- Sec. 842. Cutouts, Flashers, Etc., to Be Enclosed in Approved Metal Box.
- Sec. 843. Standard Cutouts, Etc., to Be in Weatherproof Enclosure.
- Sec. 844. Sign and Outline Wiring, Minimum Wattage Requirements.
- Sec. 845. Lampholders.
- Sec. 846. Conductors to Be Soldered, Etc., and Painted With Compound.
- Sec. 847. Conductors 600 Volt Circuits Shall Be Approved Rubber Covered.
- Sec. 848. Wireways.
- Sec. 849. Circuit Conductors to Be Identified.
- Sec. 850. Insulated Conductors to Be Standard.
- Sec. 851. High Voltage Conductors, How Supported.
- Sec. 852. High Voltage Conductors, Not to Be Spliced.
- Sec. 853. No Condensers to Be Used in High Voltage Circuits.
- Sec. 854. Electrode Receptacles to Be Approved.
- Sec. 855. High Voltage Conductors Not in Sign, How Installed.
- Sec. 856. Neon Signs to Be Grounded.
- Sec. 857. Capacitors.
- Sec. 858. Electric Signs, Portable.
- Sec. 859. Electric Signs, Portable, Secondary Voltage.
- Sec. 860. Permanent Signs, Grounding of.
- Sec. 861. Electric Signs, Temporary.
- Sec. 862. Director to Make Rules and Regulations for Installation of Signs.
- Sec. 863. Billboard Illumination.
- Sec. 864. Time Limit and Failure to Rectify Complaints.
- Sec. 865. Permit, Illegal Use of.
- Sec. 866. Non-liability of City for Damages.

SEC. 801. Definitions. The following words or phrases, wherever used in this Article, unless the context clearly requires a different meaning, shall be given the meaning hereinafter in this section ascribed to them and shall be construed in accordance with such meaning and definition:

The word "sign" as used herein appearing alone, shall be understood to include all types of signs, sign devices, advertisements, transparencies, bulletin boards on or attached to any building, pole, structure or premises, and shall also include barber poles, beauty shop poles, and sidewalk clocks, provided, however, that the said word shall not include "billboards."

"Electric Sign" shall mean a sign whereon letters, figures or designs are formed or outlined by incandescent electric light globes, gas filled luminous tubes, or by a transparent medium illuminated by means of electric lights or gas filled luminous tubes contained within the sign. Electric lights or gas filled luminous tubes which are not an essential element of the sign proper are not classified as electric signs within the meaning of this Article, provided, however, that a sign or design installed or painted on the exterior of a building and illuminated or outlined by means of electric lights or gas filled tubes that are installed for the specific purpose of illuminating said sign or design shall be considered within the requirements of this Article.

"Interior Electric Sign" shall mean an electric sign installed within a building or structure.

"Exterior Electric Sign" shall mean an electric sign installed or attached to poles, to the exterior of a building or structure, or shall mean a sign installed or painted on the exterior walls of a building or structure and illuminated by means of electric lights or luminous gas filled tubes specifically installed for the purpose.

"Area of a Sign" is hereby defined as the product of the horizontal distance between vertical lines passing through the extremities of the sign and the vertical distance between a horizontal line passing through the highest point of a sign and a horizontal line passing through the lowest point of the sign.

SEC. 802. Permit Required. It shall be unlawful for any person, firm or corporation to install, place, or maintain an electric sign in, on or about any building

or structure or on any pole in the City and County of San Francisco without first obtaining an electrical permit therefor from the Central Permit Bureau approved by the Director.

SEC. 803. Construction Permit. Every person, firm or corporation, before applying for an electrical permit for the installing or placing of an electric sign as defined in Section 801 of this Article, shall apply to the Central Permit Bureau of the Department of Public Works for a construction permit for the erection of the electric sign. No electrical permit for the installation, placing, or maintenance of an electric sign shall be issued until a construction permit for the same has been issued.

SEC. 804. Permits Issued to Master and Specialty Electricians Only. Permits for the installation of the electric signs shall be issued only to Master Electricians or Specialty Electricians as provided for under the provisions of existing law.

SEC. 805. Application for Permit and Electrical Data. Applications for permits for electrical signs, together with all necessary data regarding the proposed electrical construction shall be filed with the Department. The application and the necessary plans and data shall be referred to the Electrical Inspection Division for approval. When the plans and necessary data are found to be in conformity with the requirements of this code and all other electrical laws and ordinances applicable thereto, and are approved by the Chief Electrical Inspector, the Central Permit Bureau shall issue a permit for the specified work upon receipt of the required permit fee.

SEC. 806. No Sign to Be Erected Without Permits.—Exceptions. No electric sign shall be erected unless permits therefor have been secured from the Central Permit Bureau, provided, however, that signs painted on the walls of buildings or structures and electrically illuminated or outlined shall require only an electrical permit.

SEC. 807. Inspection and Certificate. Upon the completion of the electrical construction and installation of an electric sign for which a permit is issued or required, as provided in this Article, the Chief Electrical Inspector shall make or cause to be made an inspection of the sign and the installation of same, and if it is found to be in accordance with the requirements of existing laws, and the provisions of this Article, a Certificate of Inspection and Approval shall be issued by the Superintendent.

SEC. 808. Fees for Permits. Every person, firm or corporation shall pay to the Central Permit Bureau before the permit provided for in this Article is issued, the following fees or so much thereof as shall be applicable to the work done and inspected and approved, viz.:

The minimum charge for each exterior electric sign of twenty (20) lamps shall be	\$2.00
For each transformer in an exterior sign in excess of two (2) .....	.75
For each group of ten (10) lamps or portion thereof in excess of twenty (20) in an exterior sign .....	.75
For each sign flasher or automatic sign or outline control device	1.00
For each exterior sign or outline circuit .....	.75
The minimum charge for a permit for any exterior sign or outline shall be	2.00
For each transformer in an interior sign installation in excess of two (2) .....	.75
For each group of ten (10) lamps or portion thereof, in excess of twenty (20), in an interior electric sign .....	.75
For each painted sign illuminated by bracket reflector lamps the minimum fee shall be	1.50
For each reflector bracket lamp in excess of five (5).....	.20
For each interior electric sign or outline circuit .....	.75
Temporary electric signs not in excess of five (5) transformers or fifty (50) lamp receptacles	1.75
For all temporary signs in excess of the above load	2.50
For the purpose of computing the fees on signs or outlines having combined transformer and lamp receptacles, each transformer shall be considered equal to ten (10) lamp receptacles or portion thereof.	

SEC. 809. Penalty for Installing Electrical Sign or Outline Work Without a Permit. If any person, firm, corporation, or agent thereof, or any person acting

for and on behalf of either thereof, shall, after notice thereof has been given in writing by the Chief Electrical Inspector, and an opportunity to be heard, be found to have done or installed any electrical sign or outline work without first applying for a permit therefor, in violation of the provisions of this Article appertaining thereto, such person, firm or corporation, or agent thereof, or person acting for, or on behalf of either thereof, shall pay to the Central Permit Bureau, for the inspection of such electrical sign or outline installation, before a certificate of inspection and approval thereof shall be issued, fees equal to five (5) times the amount designated in Section 808 of this Article, as shall be applicable to the work done, inspected and approved, provided, however, that the minimum bill of fees to be charged and paid for any inspection under the provisions of this section shall be Twelve Dollars and Fifty Cents (\$12.50).

SEC. 810. Permit Holder to Be Contractor in Fact. No person, firm or corporation registered as a Master Electrician or Specialty Electrician, as defined in existing law, shall file an application for a permit to place, install or maintain an electric sign in the City and County of San Francisco unless said person, firm or corporation is in fact the contractor for such work. The person, firm or corporation placing, installing or maintaining the electric sign shall contract directly with the person, firm or corporation owning, leasing or renting the said electric sign. The Director shall have the power to cancel any permit found by him to be issued contrary to the requirements of the provisions of this Article.

SEC. 811. Electrical Sign Maintenance. Electrical sign maintenance shall mean and include the installation, replacement, or removing of gas filled illuminating tubes, gaseous tube transformers or other electrical materials used in the construction and installation of electric signs or electrical sign control devices.

SEC. 812. Sign Maintenance Work to Be Done by Registered Contractor. It shall be unlawful for any person, firm or corporation to do, or permit to be done under his or its supervision, any electrical sign maintenance work, as defined in Section 811 of this Article, unless said person, firm or corporation is registered with the Electrical Inspection Division as a Master Electrician or Specialty Electrician, as provided for under the provisions of existing law.

SEC. 813. Feeder or Circuit Required. It shall be unlawful for any person, firm or corporation registered with the Electrical Inspection Division to install an electric sign on any building or structure in the City and County of San Francisco, unless provisions have been made for the connection of the electric sign to an existing sign circuit or the installing of a new sign circuit shall be completed. It shall be unlawful to install any electric sign where provisions are not made for the installation of the sign circuit or feeder.

SEC. 814. Removal of Unauthorized Electric Sign. It shall be unlawful for any person, firm or corporation to install an electric sign on any building or structure unless said electric sign is connected to a sign circuit or feeder installed under the installation provisions of existing law. Wherever an electric sign is installed, provisions shall be made for the illuminating of said sign. The Director shall have the power to order the removal of an electric sign from any building or structure in the City and County of San Francisco, where said sign is installed contrary to the provisions of this Article.

SEC. 815. Electrical Sign Construction and Installation Requirements. All electric signs, both swinging and stationary, including marquees, building front and roof signs, must comply in every detail with the construction and installation requirements and rules of the San Francisco Building Code, the State Safety Orders, the National Electrical Code as issued by the American Standards Association, and Requirements Section, Subject 48, as issued by the Underwriters' Laboratories as a Standard for Electric Signs, with such exceptions as are outlined within the provisions of this Article.

SEC. 816. Electric Signs, Shop Inspection of. All electric signs other than the portable types shall be inspected in the shops of the person, firm or corporation manufacturing said electric sign, in order to ascertain that all the provisions of Section 815 of this Article have been complied with. It shall be unlawful for any person, firm or corporation to enclose or conceal any electrical work in any electric sign without first securing permission from the Chief Electrical Inspector to do so.

SEC. 817. Inspection to Be Made Before Installation. All electric signs other than the portable type, constructed elsewhere than in San Francisco, shall be inspected in the shop of said person, firm or corporation installing the electric sign, or can be inspected on the sidewalk of the premises where said electric sign is to be

installed. Under no conditions can shop inspections be made after a sign has been installed on the building or structure. Signs installed without the said shop or sidewalk inspection shall be removed to the sidewalk in order that the shop inspection can be made.

SEC. 818. Signs Constructed Elsewhere. Signs constructed elsewhere than in San Francisco and bearing the label of "Underwriters' Laboratories Inspection" shall be inspected as required in Section 817 of this Article, in order to ascertain that the requirements of the San Francisco Building Code have been complied with.

SEC. 819. Moving of Existing Signs from One Location to Another. The Superintendent will permit the direct moving of existing signs from one location to another without the necessary shop inspection, providing no alterations or additions are made to the existing signs and the signs have been previously approved for installation in the City and County of San Francisco, and the Chief Electrical Inspector is immediately notified relative to their previous location and the electrical load of the signs.

SEC. 820. Inquiry as to Acceptance of Certificates of Inspection of Signs Made Elsewhere. Before a person, firm or corporation installs an electric sign that has been manufactured elsewhere than in the City and County of San Francisco, inquiry shall be made of the Superintendent concerning acceptance of certificates covering the inspection of the construction of said sign.

SEC. 821. Electric Signs, Portable. Portable electric signs shall be installed or placed only in the interior of a building or structure and shall bear the label of the Underwriters' Laboratories, in order to insure that said portable electric sign has been constructed in accordance with the requirements of Section 48, of the Underwriters' Laboratory Standard for Electric Signs.

SEC. 822. Sign Circuit or Feeder, Minimum Size of. When a sign circuit or feeder is installed, the total connected load of the sign shall govern the size of the feeder or circuit conductors, but in no case shall said conductors be smaller than No. 12 B. & S. Gauge.

SEC. 823. Electric Signs on Exterior of Buildings, Connections, Etc. Electric signs on the exterior of a building may be connected to an existing sign circuit or feeder of No. 14 B. & S. Gauge, provided the total load connected thereto does not exceed the approved capacity of the conductors.

SEC. 824. Sign Feeders for Future Use. Where a sign feeder is installed for a future sign installation and the load of the sign is unknown, the sign feeder or circuit shall be computed as requiring not less than ten (10) amperes on the feeder and service switches and conductors.

SEC. 825. Old Signs to Be Removed. When a new sign is installed on a building or structure and the feeder or circuit to the existing sign is used to supply the new sign, the old sign shall be removed from the building.

SEC. 826. Sign Circuit Provisions. Each outline lighting installation and each exterior electric sign shall be installed on a separate circuit.

SEC. 827. Number of Lamps on Single Circuit Sign. Not more than sixty (60) medium base or one hundred (100) intermediate base lamp receptacles shall be installed or connected to a single circuit in the body of a sign and not more than one hundred (100) medium base or one hundred fifty (150) intermediate base lamp receptacles shall be installed on or connected to a single circuit in the border of a sign. The minimum wattage of twenty-five (25) watts shall be figured for each medium base lamp receptacle in the body of a sign and ten (10) watts for each medium base lamp receptacle in the border of a sign. A minimum wattage of fifteen (15) watts shall be figured for each intermediate base lamp receptacle in the body of a sign and ten (10) watts for each intermediate lamp receptacle in the border of a sign.

SEC. 828. Transformers for Single Circuit Signs. Where transformers are installed for the illumination of gas filled tubes, not more than fifteen hundred (1500) volt-amperes shall be connected to a single circuit.

SEC. 829. Wattage for Single Circuit. Not more than fifteen hundred (1500) watts or fifteen hundred (1500) volt-amperes shall be installed on a single circuit in a sign or for outline lighting.

SEC. 830. Voltage Limitations. Incandescent lamp signs and outline lighting or transformers for the illumination of gas filled tubes in signs and outline lighting shall not be connected to any single phase ungrounded system or any system wherein the voltage to ground exceeds one hundred fifty (150) volts.

SEC. 831. **Transformers for Secondary Open Circuits.** Transformers used for the illumination of gas filled tubes shall have secondary open circuit voltages not exceeding fifteen thousand (15,000) volts, with an allowance on test of one thousand (1,000) volts additional.

SEC. 832. **Switches.** Each outline lighting installation and each exterior electric sign shall be controlled by an externally operable switch which will open all ungrounded conductors of the feeder or circuit. When not within sight of the outline lighting of the sign, the switch shall be capable of being locked in the "off" position.

SEC. 833. **Neon, Etc., Signs, Disconnect Switch Required.** Neon or gas filled luminous tube outline, or an additional electric sign, may be installed and connected to an existing sign circuit and disconnect switch supplying a sign on the exterior of the building, provided a separate disconnect switch or dead-front type of fuse block is installed at each sign location, in order to disconnect each sign or outline at its respective location.

SEC. 834. **Switches, Flashers, Etc., to Have Current Rating Transformer.** Switches, flashers and similar devices controlling gaseous tube transformers shall be either of a type approved for the purpose, or have a current rating not less than twice the current rating of the total current of the transformers connected thereto.

SEC. 835. **Switches in Signs, Etc., to Be Minimum Current Rating.** Switches installed in a sign or outline circuit or feeder and arranged to disconnect the total feeder or circuit current shall have a minimum current rating of twenty (20) amperes. Switches arranged for the operation of a control circuit of a magnetic type contactor shall have a minimum current rating of ten (10) amperes at two hundred twenty (220) volts.

SEC. 836. **Door Switches.** Permanently installed gaseous tube transformer enclosures, where installed within eight (8) feet vertical of the floor or platform, shall have the access doors equipped with door switches, unless said doors are mechanically secured in the closed position, by means of Parker type sheet metal screws.

SEC. 837. **Disconnect Switches.** Where gaseous tube transformers are installed in locations that are remote from the feeder or circuit disconnect switches, an additional externally operable type disconnect switch shall be installed adjacent to or in the transformer cabinet, to disconnect said transformers from the source of electrical supply.

SEC. 838. **Roof Sign Disconnect Switches.** On all electrically illuminated roof signs a disconnect switch shall be installed for the purpose of disconnecting the current from the sign, motor, or other control equipment on the structure. This disconnect switch shall be located within six (6) feet, six (6) inches from the roof and be placed either on the supporting structure or within easy access and view of the supporting structure.

SEC. 839. **Sign Enclosures.** With the exception of indoor portable type signs, all signs and outline lighting enclosures shall be constructed entirely of metal or other approved noncombustible material. Wood may be used for external decoration if kept at least two (2) inches from the nearest lamp holder or other current carrying part. The design shall afford ample strength and rigidity and shall provide for the enclosure of all terminals and wiring other than the supply conductors.

SEC. 840. **Gauge of Materials.** All sheet steel or iron used in the construction or installation of exterior signs or outline lighting shall be galvanized. If sheet copper is used, it shall be at least twenty (20) ounce (0.028 inch). Sheet steel shall be not less than No. 28 USS Gauge (0.156 inch) except that for gas-filled luminous tube-type signs and outline lighting troughs, boxes, and other enclosures shall be of No. 24 USS Gauge (0.250 inch), unless ribbed, corrugated or embossed over its entire surface, when it may be of No. 26 USS Gauge (0.188 inch).

SEC. 841. **Exterior Enclosures to Be Weatherproof.** Enclosures for exterior use shall be made weatherproof and shall have an ample number of drain holes, each not larger than one-half ($\frac{1}{2}$) inch or smaller than one-fourth ($\frac{1}{4}$) inch.

SEC. 842. **Cutouts, Flashers, Etc., to Be Enclosed in Approved Metal Box.** Cutouts, flashers and similar devices placed on or within an enclosure or on or in a building shall be enclosed in approved metal boxes, the doors of which shall be arranged so that they can be opened without removing obstructions or finished parts of the enclosure. When exposed to the weather, these boxes shall be of the weather-proof type.

SEC. 843. **Standard Cutouts, Etc., to Be in Weatherproof Enclosure.** Standard cutout bases, panelboards, flashers, switches and other similar devices shall be used when they are provided as part of the sign assembly. If on or within the body or structure of the sign, they shall be in a separate weatherproof enclosure of metal of not less than No. 26 USS Gauge.

SEC. 844. **Sign and Outline Wiring, Minimum Wattage Requirements.** Each exterior electric sign shall be wired for and contain either incandescent light globes, luminous gaseous tubes and their supply equipment, or a combination of both incandescent light globes and luminous gaseous tubes. The amount of illumination supplied by an electric sign shall be not less than one (1) lineal foot of tubing for each square foot area of the illuminated sides of the sign, but in no case, shall the wattage or volt-ampereage required to supply sign illumination be less than fifteen (15) watts or fifteen (15) volt-amperes for each square foot of area of the illuminated side or sides of the sign.

SEC. 845. **Lampholders.** Lampholders for sign use shall be of the keyless porcelain or moulded composition type. Standard lampholders shall be used. Lampholders shall be so installed and of a type that will afford permanent and reliable means to prevent possible turning. Miniature type lampholders shall not be employed for outside work.

SEC. 846. **Conductors to Be Soldered, Etc., and Painted With Compound.** Conductors shall be fastened to lampholder terminals so as to be mechanically and electrically secure, and shall, in addition, be soldered. Terminals at lampholders and exposed parts of wires at the lampholder terminals shall be treated or painted with a suitable compound to prevent corrosion.

SEC. 847. **Conductors 600 Volt Circuits Shall Be Approved Rubber Covered.** The conductors for circuits within an electric sign operating at six hundred (600) volts or less, shall be approved rubber covered Type R "Flame Retarding" having an outer braid treated with flame retarding as well as moisture-proofing compound. No six hundred (600) volt conductor shall be smaller than No. 14 B. & S. Gauge.

SEC. 848. **Wireways.** Wireways within a sign enclosure shall be formed of metal not less than No. 24 USS Gauge.

SEC. 849. **Circuit Conductors to Be Identified.** Circuit conductors connected to the screw shell terminals of lampholders shall be identified by means of a white or natural gray braid. The braid of all other wires of the sign shall be of a contrasting color.

SEC. 850. **Insulated Conductors to Be Standard.** Insulated conductors for wiring above six hundred (600) volts shall be standard, suitable for the voltage involved, not smaller than No. 14 B. & S. Gauge and of the standard type. Uninsulated conductors used in signs shall be not less than No. 10 B. & S. Gauge.

SEC. 851. **High Voltage Conductors, How Supported.** The high voltage conductors shall be supported as close as practicable to the terminal connections, both at transformers and electrodes. When no support is provided at an electrode terminal, a support shall be provided within six (6) inches of the terminal or electrode connection.

SEC. 852. **High Voltage Conductors Not to Be Spliced.** Except at Transformer connections, insulated high voltage conductors shall not be spliced. At transformers or electrodes, connections shall be mechanically secure. Standard connections shall be soldered before being fastened under clamps or binding screws. At gaseous tube electrodes, connections between high tension conductors and electrode leads shall be soldered or made with standard wire connectors suitable for this particular use.

SEC. 853. **No Condensers to Be Used in High Voltage Circuits.** There shall be no condensers or current interrupting devices installed in the high voltage circuit.

SEC. 854. **Electrode Receptacles to Be Approved.** Electrode receptacles shall be of a type as approved by the Underwriters' Laboratories for sign installation.

SEC. 855. **High Voltage Conductors Not in Sign, How Installed.** High voltage conductors installed for outline or sign installation and not within the sign enclosure, shall be installed in conduit or electrical metallic tubing.

SEC. 856. **Neon Signs to Be Grounded.** Isolated non-current-carrying parts of outline lighting and skeleton letter type neon signs shall be grounded in accordance with approved wiring installation methods. All permanently installed signs shall be grounded.

SEC. 857. **Capacitors.** A capacitor intended for power factor correction shall be capable of withstanding without breakdown for a period of fifteen (15) minutes, a D. C. potential of five (5) times its rated voltage.

SEC. 858. **Electric Signs, Portable.** Portable electric signs shall be approved by the Underwriters' Laboratories and shall bear a label indicating the name of the manufacturer, the voltage, current and frequency necessary for the correct operation of the sign. Portable electric signs shall be installed only within the interior of a building or structure.

SEC. 859. **Electric Signs, Portable, Secondary Voltage.** Portable electric signs having a secondary voltage in excess of seven thousand five hundred (7,500) volts shall be provided with a three-conductor cord in order that said sign shall be grounded.

SEC. 860. **Permanent Signs, Grounding of.** The metal of all permanently installed signs shall be installed in an approved manner. The grounding conductor shall be installed as specified in the National Electrical Code and the State Safety Orders. Where flexible metallic conduit is used for gaseous luminous tube installations, approved bonded fittings, arranged to provide the continuity of the conduit ground, shall be installed. The conduit grounding conductor may be installed in the same conduit with the sign circuit or feeder conductors, provided said conductor is of the insulated type.

SEC. 861. **Electric Signs, Temporary.** The Director will permit the installation of temporary electric signs for advertising purposes provided that the sign is constructed of non-inflammable material, complies with requirements of the Building and Electrical Codes, all wiring within eight (8) feet of the ground or platform is suitably enclosed or protected and the electric work and installation of said sign is installed by a Master Electrician or Specialty Electrician under a permit issued by the Central Permit Bureau. Permits for temporary electric signs shall not be issued for a period exceeding thirty (30) days.

SEC. 862. **Director to Make Rules and Regulations for Installation of Signs.** The rules and standards governing the installation of electric signs and the wiring and installation of same shall be in accordance with the requirements of this Article and all supplementary rules as issued under the authority of existing law.

SEC. 863. **Billboard Illumination.** Bill or bulletin boards not exceeding ten (10) feet in height along public streets and thoroughfares may be illuminated by electricity by means of lamps in pressed steel reflectors located not more than three (3) feet from the bulletin board and not less than ten (10) feet in height from the sidewalk.

When a permit is issued by the Central Permit Bureau, with the approval of the City Planning Commission and Bureau of Building Inspection, to erect a bill or bulletin board of greater height than ten (10) feet, then an electrical permit may be granted for the same, provided that reflectors shall not extend over the sidewalk more than four (4) feet.

SEC. 864. **Time Limit and Failure to Rectify Complaints.** The failure and neglect of any Master Electrician or Specialty Electrician to correct, obviate or remove any fault, error, or deficiency in the doing or installing of any electrical work or electrical sign or outline work not in accordance with the provisions of this Article and the rules and regulations adopted and promulgated under the authority of existing law, within ten (10) days after the receipt of a written notice from the Chief Electrical Inspector describing said complaints, shall be deemed sufficient cause for the suspending or cancelling of any Certificate of Registration issued by the Director and held by the Master Electrician or Specialty Electrician doing said electrical work. In addition to the above, the Department of Public Works shall collect a fee of Five Dollars (\$5.00) for each hour or fraction thereof that the authorized employee of the Electrical Inspection Division spends in inspecting electrical work or fixture work that is not corrected within the specified ten (10) day period.

SEC. 865. **Permit, Illegal Use of.** No person, firm or corporation registered as a Master Electrician or Specialty Electrician shall file an application for a permit to do so or install any electrical work in connection with the installation of electrical signs and outlines unless such person, firm or corporation has a contract to do or install the same, or intends to do or install such electrical work on his or its own behalf and for his or its own account. The Director shall have the power to cancel any permit found by him to be contrary to the provisions of this section.

SEC. 866. **Non-Liability of City for Damages.** The provisions of this Article shall not be construed to relieve from or lessen the liability of any person, firm or corporation owning, operating or installing any electrical sign or outline work, or causing the same or any part thereof to be done, for damages to anyone injured by any defect therein, or any negligent doing or installation thereof, nor shall the city and county or any agent thereof be held liable therefor by reason of any inspection herein authorized and made by reason of the certificate of inspection and approval issued by the Superintendent.

ARTICLE 9

THEATRES, MOVING PICTURE HOUSES AND PLACES OF PUBLIC ASSEMBLY

- Sec. 901. Projectors, Permit Required to Install.
- Sec. 902. Motion Picture Projectionists, Registration of.
 - (a). Registration Requirements.
 - (b). Issuance of Certificate.
 - (c). Renewal of Registration Certificates.
 - (d). Expiration of Registrations.
- Sec. 903. Certificates, Temporary, Registration of.
- Sec. 904. Certificates, Emergency, Registration of.
- Sec. 905. Employment of Minor Prohibited.
- Sec. 906. Operation by Minor Prohibited.
- Sec. 907. Wiring in Theatres and Moving Picture Houses.
- Sec. 908. Emergency Lighting, Arrangement of—Definition.
 - (a). Emergency Lighting Intensities.
 - (b). Aisle Lighting Required.
- Sec. 909. Emergency Service Classes, Classifications.
- Sec. 910. Emergency Service Classes.
- Sec. 911. Capacity of Emergency Service and Feeders.
- Sec. 912. Emergency System in Separate Raceways.
 - (a). Emergency Lighting, When Installed in Same Outlet Box.
- Sec. 913. Emergency Feeder and Panel Installation.
- Sec. 914. Control of Emergency Lighting Circuits and Outlets.
- Sec. 915. Exit Sign Lights Required.
- Sec. 916. Construction of Exit Light Signs.
- Sec. 917. Installation Requirements.
- Sec. 918. House Light Control from Projection Room.
 - (a). Installation of Dimmers.
 - (b). Dimmers Controlled from Projection Room.
 - (c). Dimmers Mechanically Controlled.
 - (d). No Fuses, Etc., Allowed in Projection Room.
- Sec. 919. Projection Room Ventilating Fan.
- Sec. 920. Projection Room Equipment Wiring.
 - (a). Motor Installation.
 - (b). Arc Lamp Installation.
 - (c). Motors, Etc., Separate Room.
 - (d). Motor Control.
 - (e). Cords in Projection Room.
 - (f). Lamps in Projection Room.
 - (g). Protective Devices in Projection Room.
 - (h). Protective Devices for Feeder Motors.
- Sec. 921. Switches and Fuses in Projection Room.
- Sec. 922. Accessibility of Projection Room.
- Sec. 923. Dressing Room Switches Required.
 - (a). Bracket, Etc., Lamps to Be Protected.
 - (b). Installation of Bracket Lamps.
- Sec. 924. Enforcement.
- Sec. 925. Right of Entry.
- Sec. 926. Non-Liability of City for Damages.

SEC. 901. **Projectors, Permit Required to Install.** It shall be unlawful to operate or install any portable type of motion picture equipment using film other than the slow burning type (cellulose, acetate or equivalent) unless said equipment is inspected by the Chief Electrical Inspector previous to its operation and a permit to operate said machine has been issued by the Department of Public Works.

SEC. 902. Motion Picture Projectionists, Registration of. It shall be unlawful for any person, firm or corporation to operate and maintain any professional type of motion picture equipment using film other than of the slow burning type, as defined in the National Electrical Code, unless the projectionist is registered with the Electrical Inspection Division.

(a) **Registration Requirements.** Before any motion picture projectionist shall become registered he shall submit on forms furnished by the Department, sworn statements giving not less than six (6) months' experience in motion picture operation and machine maintenance.

(b) **Issuance of Certificate.** When an applicant for registration as a motion picture projectionist has supplied sworn statements giving the necessary information required in subsection (a) of this section, a Certificate of Registration as a Motion Picture Projectionist shall be issued to him by the Director.

(c) **Renewal of Registration Certificates.** Certificates of registration issued to motion picture projectionists shall be renewed on or before the first day of each calendar year.

(d) **Expiration of Registrations.** Unless a certificate of registration as a motion picture projectionist is renewed within thirty (30) days after the date of expiration of said certificate, the holder shall be required to pay a fee of Five (\$5.00) Dollars before a new certificate shall be issued to him. It shall be unlawful to operate or maintain any motion picture machines or equipment unless the operator is the holder of an uncanceled or unexpired certificate of registration.

SEC. 903. Certificates, Temporary, Registration of. The Director shall issue temporary registration certificates to competent motion picture projectionists working for or with any traveling picture exhibition, where the work of said projectionist is necessary for the successful operation of the traveling motion picture equipment. Said temporary registration certificate shall not be issued for a period exceeding thirty (30) days. The applicant shall show proof of his experience and ability to operate the types of equipment specified in his application for said temporary registration certificate.

SEC. 904. Certificates, Emergency, Registration of. If at any time due to circumstances beyond their control, it is impossible for an employer to secure the services of a registered motion picture projectionist, said employer shall submit in writing an application for a temporary registration certificate for the temporary employment of a motion picture projectionist. If said temporary employee shall pass an examination as shall test his ability to operate and maintain motion picture machines and equipment, to the satisfaction of the Chief Electrical Inspector, the Director shall have the power to issue a temporary registration certificate for a period not exceeding thirty (30) days.

SEC. 905. Employment of Minor Prohibited. It shall be unlawful for any person, firm or corporation to employ for the purpose of operating a motion picture machine in any place of public assemblage, any person who is under twenty-one (21) years of age.

SEC. 906. Operation by Minor Prohibited. It shall be unlawful for any person, who is under twenty-one (21) years of age, to operate any professional type motion picture machine or equipment in any place of public assemblage.

SEC. 907. Wiring in Theatres and Moving Picture Houses. All electrical materials, appliances, and apparatus, installed, operated or maintained in, on or about any theatre or motion picture house shall conform to the requirements of the State Safety Orders and the National Electrical Code as approved by the American Standards Association, except as such orders and requirements are modified or supplemented as provided for in Sections 901 to 926, inclusive, of this Article.

SEC. 908. Emergency Lighting, Arrangement of—Definition. Emergency lighting shall mean and include exit lights, aisle lights, and all lighting necessary to properly illuminate lobbies, stairways, corridors and other portions of the theatre, or other places of public assembly as herein classified, to which the public have access and which are normally kept lighted during a performance. Emergency lighting shall be arranged to assure continued illumination of the auditorium, and all exits leading therefrom in cases of emergency caused by failure of the general lighting source of energy supply.

(a) **Emergency Lighting Intensities.** There shall be provided sufficient illumination to permit all persons to safely traverse the occupied areas. The minimum average intensity of emergency illumination, except for auditoriums, shall be not

less than one-fourth ($\frac{1}{4}$) watt per square foot; for auditoriums, not less than a minimum of one-eighth ($\frac{1}{8}$) watt per square foot of floor area shall be installed.

(b) **Aisle Lighting Required.** In theatres and motion picture houses, additional lights supplied by the emergency system shall be so placed within, or adjacent to, the main aisles as to thoroughly illuminate them.

SEC. 909. Emergency Service Classes, Classifications. The provisions of this section shall apply to all systems supplying emergency illumination. The classification of emergency services for occupancies described herein is as follows:

(a) Theatres, motion picture houses, opera houses, and auditoriums having a seating capacity in excess of one thousand (1,000) persons, shall be supplied by a Class 1 emergency service;

(b) Theatres, motion picture houses, opera houses, and auditoriums having a seating capacity not in excess of one thousand (1,000) persons, shall be supplied by a Class 1 or Class 2 emergency service;

(c) Assembly halls, dance halls, banquet halls, skating rinks, lodge halls, churches, school auditoriums, any assembly hall used for religious services, or for the purpose of instruction, or entertainment, and having a seating capacity in excess of five hundred (500) persons, shall have Class 1 emergency service;

(d) For the types of occupancies designated in Section 909c, and having a seating capacity not in excess of five hundred (500) persons, Class 1 or Class 2 emergency service shall be installed.

SEC. 910. Emergency Service Classes. The different classes of emergency service shall be as follows:

(a) Class 1 shall mean the installation of emergency lighting on an individual lighting service, electrically separated from the general lighting services. For metering purposes only, the emergency lighting feeder may be connected to the general lighting bus, provided a double throw, selective service type of automatic switch or circuit breaker is installed and so arranged that the emergency lighting feeder is automatically transferred to the emergency lighting service upon failure of the general lighting service;

(b) Class 2 emergency service shall mean the installation of the emergency service switch on the line side of the general lighting service switch. Under no condition can the emergency lighting feeders of class 2 emergency services be connected to the bus bars on the load side of the general lighting meter.

SEC. 911. Capacity of Emergency Service and Feeders. The service, sub-service and feeder conductors supplying emergency lighting shall be installed to provide for one hundred (100%) per cent of the total electrical load connected thereto.

SEC. 912. Emergency System in Separate Raceways. Emergency lighting service, sub-service feeder and circuits shall not be installed in the same conduit or raceway with any conductors supplied from the general lighting system.

(a) **Emergency Lighting, When Installed in Same Outlet Box.** Emergency lighting and general lighting circuits may be installed in the same outlet box with the general lighting circuits only when said outlet supplies both emergency and general lighting.

SEC. 913. Emergency Feeder and Panel Installation. From the emergency service switch location the emergency feeder shall run to an approved non-fused type externally operable disconnect switch and panel-board located in the lobby or other convenient location in the front of the house. The emergency panel disconnect switch shall be installed as part of the emergency panel or may be installed adjacent thereto.

SEC. 914. Control of Emergency Lighting Circuits and Outlets. Lighting outlets installed on the exterior of a building for the purposes of illuminating outside stairways, fire escapes, and passageways, when there is not sufficient daylight, may be separately controlled from the emergency panel-board by a switch or by an automatic light actuated device approved for the purpose. No other switches shall be installed at any location on emergency circuits or in the circuits of an emergency panel-board, unless, as specified above, no other switch or control device shall be inserted in the wiring of an emergency system other than a switch at the main service location, the panel-board disconnect switch, or the automatic switch on the control panel for special current source.

No portion of the emergency lighting system shall be controlled from the projection room or stage location.

SEC. 915. Exit Sign Lights Required. At each exit in every theatre, motion picture house, auditorium, dance hall or assembly hall there shall be installed an approved type of exit sign light. Each exit sign light shall be located not more than twenty-four (24) inches above the top of the exit opening, said distance to be measured to the bottom of the exit light sign. All of the lamps in each exit light sign shall be illuminated before the public enters the building, and shall be kept illuminated until after the public has left the building.

SEC. 916. Construction of Exit Light Signs. Exit light signs shall be constructed of not less than No. 16 U. S. standard gauge metal and shall have a green glass front. A metal mat or face having letters cut through such mat or face shall be installed in front or back of said glass panel.

(a) Every exit sign shall show the word "Exit" thereon in plainly legible green letters not less than six (6) inches high, with the principal strokes of such letters not less than five-eighths ($\frac{5}{8}$) inch in width. Electric signs indicating directions of exits need not conform to the requirements of this section.

(b) Each exit sign shall contain not less than two (2) lamp receptacles. Each receptacle shall contain a lamp of not less than fifteen (15) watts. Both lamp receptacles shall be connected to the emergency system, or one (1) lamp receptacle shall be connected to the emergency lighting circuit and the other lamp receptacle to the general lighting circuit.

SEC. 917. Installation Requirements. All electrical wiring shall be installed in accordance with the requirements of existing law and the supplementary electrical installation rules and orders of the Director of Public Works of the City and County of San Francisco.

SEC. 918. House Light Control From Projection Room. Where the general lighting for the house is controlled from the projection room an additional control arrangement shall be installed in a location in the front part of the house.

(a) **Installation of Dimmers.** Where dimmers are installed and controlled from the projection room, the dimmers shall be so installed that the operator can easily control same without leaving the projection room. No dimmer plates or reactance dimmers shall be installed in the projection room.

(b) **Dimmers Controlled From Projection Room.** Where dimmers are installed in house lighting circuits that are controlled from the projection room, the control arrangement located in the front of the house shall automatically by-pass the dimmer circuits when the control switch is actuated.

(c) **Dimmers Mechanically Controlled.** Where dimmers are mechanically controlled from the projection room, the dimmer control rods shall pass through an opening so designed that the space through which flame or smoke can pass shall be a minimum and shall not exceed twice the cross-sectional area of the rod.

(d) **No fuses, etc., Allowed in Projection Room.** No fuses or over-current protective devices for the house lighting circuits shall be installed in the projection room.

SEC. 919. Projection Room Ventilating Fan. Ventilating fan motors installed for the ventilating of the projection room shall be of a type that can be and shall be installed on the emergency lighting system. The control for the projection room exhaust fan shall be installed outside of the projection room, as near as possible to the entrance of the room. No switch or fuses for the projection room ventilating fan shall be installed in the projection room.

SEC. 920. Projection Room Equipment Wiring. Each appliance or device installed in the projection room that consumes or generates more than one thousand (1,000) watts shall be placed upon a separate circuit.

(a) **Motor Installation.** Each motor greater than one-fourth ($\frac{1}{4}$) h. p. shall be connected to a separate circuit with approved overload protective devices.

(b) **Arc Lamp Installation.** Each arc lamp shall be installed upon a separate circuit and shall have the capacity of conductors and their approved overload protective devices installed for fifty (50%) per cent in excess of the normal current of the lamp.

(c) **Motors, Etc., Separate Room.** Motor generators, arc rectifiers, current rectifiers, storage batteries, filters, impedances and resistances, etc., shall be installed in a ventilated room adjoining the projection room with a self-closing door between so that the apparatus is under the immediate supervision of the operator.

(d) **Motor Control.** Motors installed either in the projection room or on the stage that are greater in size than one-fourth ($\frac{1}{4}$) h. p. one hundred ten (110) volts

or for any size of two hundred twenty (220) volt motor shall not be controlled by means of three-way and four-way switches carrying the motor current. Approved magnetic switches or equivalent means shall be installed to interrupt the motor current and three-way or four-way switches may be installed in the magnetic circuit.

(e) **Cords in Projection Room.** All cords installed within a projection room shall be of armored cord or reinforced cord.

(f) **Lamps in Projection Room.** All lamps in the projection room, unless installed within an enclosing globe, shall be equipped with guards.

(g) **Protective Devices in Projection Room.** The circuits and approved overload protective devices for all equipment in the projection room shall be installed in an approved dead front externally operated panel-board located in the said room. This does not apply to the individual disconnect switch mounted on the projector equipment.

(h) **Protective Devices for Feeder Motors.** Where small carbon arc feeder motors are installed and connected to arc circuit conductors, each motor shall have its approved overload protective devices.

SEC. 921. Switches and Fuses in Projection Room. All switches in the projection room shall be of approved enclosed, externally operated type. An approved disconnecting means shall be installed ahead of each overload protective device. Double throw switches used to connect circuits to either of two (2) sources of supply shall be so installed that the blades of the switch shall be connected in the circuit on the line side of the overload protective devices unless an additional switch is installed directly ahead of the overload protective devices on each source of supply.

SEC. 922. Accessibility of Projection Room. It shall be unlawful for any person, firm or corporation to keep locked during the hours in which the theatre is open to the public, the door or entrance to the projection room.

SEC. 923. Dressing Room Switches Required. Wall switches shall be installed for the control of all lights in dressing rooms.

(a) **Bracket, etc., Lamps to Be Protected.** All bracket or cord pendant lamps shall be protected by approved lamp guards, sealed or locked in place.

(b) **Installation of Bracket Lamps.** Where bracket lights are installed over dressing tables, one (1) convenience outlet receptacle shall be installed for every four (4) bracket lamps. The plug receptacle shall be connected to circuits that are separate from the lighting.

SEC. 924. Enforcement. The Chief Electrical Inspector, acting as the authorized representative of the Superintendent, shall be responsible for the enforcement of Sections 901 to 926, inclusive, of this Article.

SEC. 925. Right of Entry. Upon the display of his credentials at any time any authorized employee of the Electrical Inspection Division shall have the right to enter any building in the discharge of his official duties, or for the purpose of making any inspection or test of the installation of electrical wiring or equipment and devices contained therein.

SEC. 926. Non-Liability of City for Damages. Nothing in this Article shall be construed to relieve from or lessen the liability of any person, firm or corporation owning, operating or installing any electrical work, or causing the same or any part thereof to be done for damages to anyone injured by any defect therein or any negligent doing or installation thereof, nor shall the city and county or any agent thereof be held liable therefor by reason of any inspection herein authorized and made by reason of such authority, or by reason of the certificate of inspection and approval issued by the Superintendent.

ARTICLE 10

REGULATIONS FOR ERECTION OF POLES AND ELECTRIC WIRES

- Sec. 1001. Poles on Streets and Sidewalks, Regulating the Erection of.
Sec. 1002. Maintenance of Poles in Proximity to Light Poles, Etc., Prohibited.
Sec. 1003. Poles to Be Painted, Etc.
Sec. 1004. Providing for Filing of Approved Plans with the Electrical Inspection Division.
Sec. 1005. Appliances in Proximity to Light Wires, Etc.

SEC. 1001. Poles on Streets and Sidewalks, Regulating the Erection of. It shall be unlawful for any person, firm or corporation to erect or maintain any pole on the streets or sidewalks of the City and County of San Francisco, unless permission, in writing, is first given by the Director of Public Works.

SEC. 1002. Maintenance of Poles in Proximity to Light Poles, Etc., Prohibited. It shall be unlawful to erect or maintain any pole on the streets or sidewalks of the City and County of San Francisco at a point which is situated nearer than ten (10) feet to a pole on which is supported a lamp maintained by said city and county for lighting the public streets, or any traffic signal, traffic sign or other traffic control device.

SEC. 1003. Poles to Be Painted, Etc. It shall be unlawful for any person, firm or corporation to maintain any pole on the streets or sidewalks in the City and County of San Francisco, unless it be painted with suitable material to the satisfaction of the Director. Such poles shall not have attached thereto any cleat, ladder or projecting appliance to assist a person in ascending said poles, which cleat, ladder or projecting appliance shall be less than seven (7) feet above the sidewalk surface.

SEC. 1004. Providing for Filing of Approved Plans with the Department of Public Works. It shall be unlawful to place, install, operate or maintain any electrical wires, appliances, apparatus or construction in or on the streets or sidewalks of the City and County of San Francisco, unless executed in accordance with plans and specifications previously approved in writing by the Director; and provided further that a copy of said plans and specifications as approved shall be placed on file in the office of the Electrical Inspection Division. The permit for the placing, installing, operating or maintaining of electrical wires, appliances, apparatus or construction must be shown to the Inspector of the Electrical Inspection Division upon request at the time and location of such construction.

SEC. 1005. Appliances in Proximity to Light Wires, Etc. It shall be unlawful to erect, construct, operate, or maintain any appliance, scaffold, elevator, derrick, or hoist which shall be in proximity to any light, power, trolley, feeder, telephone, telegraph, or fire alarm wire, or to erect, construct, operate, or maintain any appliance, scaffold, elevator, derrick, or hoist to which shall be attached any wire, guy or appliance which shall be liable to contact with any light, power, trolley, feeder, telephone, telegraph, or fire alarm wire, in or on streets or sidewalks in said city and county, unless executed in accordance with plans and specifications previously approved in writing by the Director; and provided further that a copy of said plans and specifications as approved shall be placed on file in the office of the Electrical Inspection Division. Upon approval of said plans and specifications the Superintendent shall send a report to the Chief of the Department of Electricity describing the location and condition of the wiring as called for in said specifications.

ARTICLE 11

UNDERGROUND DISTRICTS

- Sec. 1101. Removal of Poles and Placing of Wires, Etc., in Underground Districts.
- Sec. 1102. Erection, Etc., of Poles or Overhead Wires, Etc., Prohibited in Designated Districts—Exemptions.
- Sec. 1103. Unlawful to Maintain Overhead Wiring, Materials and Devices in an Underground District.
- Sec. 1104. Declaring Overhead Conductors, Materials and Devices in Underground Districts a Public Nuisance.
- Sec. 1105. Poles, Conductors, Materials and Devices in Underground District to Be Removed.
- Sec. 1106. Removal of Poles, Overhead Materials and Devices Within a Specified Time.
- Sec. 1107. Electrical Service Conductors to Terminate in Underground Pull Boxes, Notice of Installation.
- Sec. 1108. Installation by Owner, Etc., of Property of Electrical Conduits, Etc., for Light, Etc., From Pull Boxes.
- Sec. 1109. Installation by Owner, Etc., of Property of Electrical Conduits, Etc., for Telephone, Etc., Service.
- Sec. 1110. Extension of Conduits to Pull Boxes and Installation of Service Conductors.
- Sec. 1111. Failure to Install Conduits, Etc.—Removal of Overhead Wires, Etc.
- Sec. 1112. Duties of the Director of Public Works.
- Sec. 1113. Penalty for Each Day Such Poles and Other Overhead Materials and Devices are Left Standing.
- Sec. 1114. Temporary Use of Poles, Overhead Materials and Devices in Underground Districts.
- Sec. 1115. Erection and Maintenance of Temporary Poles, Etc.
- Sec. 1116. Removal of Temporary Poles, Etc.
- Sec. 1117. Inspection by Director of Public Works or His Representative.
- Sec. 1118. Exemption of Trolley Poles and Conductors.
- Sec. 1119. Extension of Certain Conductors Across Underground Districts.
- Sec. 1120. Application to all Future Underground Districts.
- Sec. 1121. Notification to Be Sent to Department of Electricity.

SEC. 1101. Removal of Poles and Placing of Wires, Etc., in Underground Districts. For the purpose of removing poles and placing wires underground, the City and County of San Francisco is hereby divided into districts designated as Underground Districts, which said Underground Districts are more particularly described in Order No. 214 (Second Series) and amendments thereto and other ordinances designating the same on file in the Office of the Clerk of the Board of Supervisors and copies thereof in the offices of the Director and the Electrical Inspection Division.

SEC. 1102. Erection, Etc., of Poles or Overhead Wires, Etc., Prohibited in Designated Districts—Exemptions. It shall be unlawful in districts now or hereafter designated as Underground Districts for any electric light, electric power, telegraph, telephone or other electric companies, or any corporation, partnership or individual to erect, maintain, continue, use, operate, or employ any pole or overhead wire, overhead cable or device on poles, over or upon the streets in said respective districts, by, through, over, or by means of which electricity is, has been or may be in any manner transmitted, conducted, or conveyed for the purpose of electric light, heat, power, telegraph, telephone, or other electrical service, or to keep, continue, maintain, use, operate or employ any such pole or any such overhead wire, cable, device or apparatus, except as in this Article provided, and all such poles, and all such overhead wires, cables, devices and apparatus as aforesaid, shall at and after the time specified in ordinance establishing such underground district be deemed and become public nuisances except such as are in this Article exempted from the provisions of this Article, and it shall be unlawful after the respective times aforesaid for any district telegraph, messenger service company, or any corporation, co-partnership or individual to erect or maintain any overhead wires connected from building to building, or otherwise, and not on poles, except such as are in this Article exempted from the provisions of this Article.

SEC. 1103. Unlawful to Maintain Overhead Wiring, Materials and Devices in an Underground District. It shall be unlawful for any person, firm, partnership, corporation or public utility to erect, maintain, extend or operate any pole or structure used for the support of overhead electrical conductors, electrical materials and devices, overhead cables or conductors, by, through, over or upon the streets

of any designated underground district where electrical energy may be or has been transmitted or used for the purpose of electrical lighting, heat, power, telephone, telegraph, or any other type of electrical transmission or distribution.

SEC. 1104. Declaring Overhead Conductors, Materials and Devices in Underground Districts a Public Nuisance. On and after the date that the Board of Supervisors of the City and County of San Francisco officially declares a designated underground district, all overhead cables, conductors, materials, devices, poles or overhead structures used for the support of electrical conductors, materials and devices on, by, over, through or upon the streets of said designated district shall be deemed and become public nuisances, except such as are in Sections 1103 to 1120, inclusive of this Article exempted from the provisions of Sections 1103 to 1120 inclusive, of this Article. It shall be unlawful after the respective times aforesaid for any person, firm, partnership, corporation or public utility to erect, maintain or extend any overhead conductors from building to building, or otherwise, and not on poles, except such as are in Sections 1103 to 1120, inclusive, of this Article exempted from the provisions of Sections 1103 to 1120, inclusive, of this Article.

SEC. 1105. Poles, Conductors, Materials and Devices in Underground District to Be Removed. Every person, firm, partnership, corporation or public utility that owns, uses, maintains or operates any pole or structure used for the support of electrical materials or devices, overhead conductors, cables, materials or devices on, by, over, through or upon the streets of the City and County of San Francisco where electrical energy has been or may be transmitted or used for the purpose of electrical lighting, heating, power, telephone, telegraph, or any other type of electrical distribution or service, shall remove the aforesaid materials and devices from such of those streets which have been or shall be designated by the Board of Supervisors of the City and County of San Francisco as being within an underground district, provided that said persons, firms, partnerships, corporations or public utilities owning, maintaining, extending, using, or operating such poles, overhead wiring supporting structures, overhead cables and devices, shall not be required to remove said poles, structures, materials and devices for more than two and one-half ($2\frac{1}{2}$) lineal miles of said streets in any one calendar year after the date of passage of this ordinance.

SEC. 1106. Removal of Poles, Overhead Materials and Devices Within a Specified Time. Each and every pole, overhead wiring structure, cable and device described in Sections 1103, 1104 and 1105 of this Article, excepting such as are in this ordinance excepted, in said City and County, owned, controlled, operated or used by said person, firm, partnership, corporation or public utility for any of the aforesaid purposes, shall be taken down and removed before the time specified by the Board of Supervisors of the City and County of San Francisco at the time a respective underground district is designated. The removal and taking down of said equipment and materials shall be by and at the cost of the person, firm, partnership, corporation or public utility so owning, controlling, operating or using same.

SEC. 1107. Electrical Service Conductors to Terminate in Underground Pull Boxes, Notice of Installation. In any district that the Board of Supervisors of the City and County of San Francisco may now or hereafter designate as an additional underground district, the person, firm, corporation or utility supplying the electrical service for electric lighting, heat, power, telephone, telegraph, or any other type of electrical service, and hereinafter called the Serving Company, shall terminate its electrical service conductors in an underground pull box adjacent to or at the property line of the building or structure being served, provided that, in the event the Serving Company elects to serve a building or structure from some other location than adjacent to or at the property line of the building or structure, in any other approved manner, the provisions of this section and of Section 1110 of this Article shall not be applicable. The Serving Company shall give to the person, firm, or corporation owning, operating, leasing or renting such building or structure, notice of the date when such pull box will be installed.

SEC. 1108. Installation by Owner, Etc., of Property of Electrical Conduits, Etc., for Light, Etc., From Pull Boxes. The electrical conduits and conductors for light, heat and power, between the underground pull box and the main service switches in the building or structure being served, shall be installed by the person, firm, or corporation owning, operating, leasing or renting said property, within thirty (30) days after the date specified in such notice as the date when such pull box will be installed.

SEC. 1109. Installation by Owner, Etc., of Property of Electrical Conduits, Etc., for Telephone, Etc., Service. The electrical conduits for telephone and telegraph service shall be installed between the property line and the terminal location in the building by the person, firm or corporation owning, operating, leasing or renting said building.

SEC. 1110. Extension of Conduits to Pull Boxes and Installation of Service Conductors. The Serving Company for telephone or telegraph service shall extend said conduit to their respective underground pull box or manhole and shall install the service conductors in said conduit.

SEC. 1111. Failure to Install Conduits, Etc.—Removal of Overhead Wires, Etc. In the event of failure on the part of the person, firm or corporation owning, operating, leasing or renting such building or structure to install such conduits and service conductors within thirty (30) days after the installation of the underground pull box so as to permit the removal of the overhead wires and conductors by the Serving Company, the Department shall order the disconnection and removal of any and all overhead electrical service wires or conductors supplying electrical service to such building or structure.

SEC. 1112. Duties of the Director of Public Works. The Director of the Department of Public Works shall be responsible for the enforcement of Sections 1103 to 1120, inclusive, of this Article in any district that is now or may hereafter be designated as an underground district by the Board of Supervisors of the City and County of San Francisco.

The Director, after the time specified in Section 1111, shall have the authority to order the removal, taking down, and carrying away any and all such poles, overhead wiring structures, overhead wires, materials and devices aforesaid, as may not have been previously removed by the owners or operators thereof, as required by the provisions of Sections 1103 to 1120, inclusive, of this Article. The Director of the Department of Public Works is hereby given authority to use and employ whatever labor, materials and devices as may be necessary to effectually carry out the provisions of Sections 1103 to 1120, inclusive, of this Article. The total cost of the labor, materials and devices necessary for the taking down and removal of the aforesaid overhead materials and devices shall be paid by the person, firm, partnership, corporation or public utility owning, controlling or operating the aforesaid overhead poles, structure, materials and devices.

SEC. 1113. Penalty for Each Day Such Poles and Other Overhead Materials and Devices Are Left Standing. Any person, firm, partnership, corporation or public utility who shall erect or construct, place, maintain, extend or operate in any manner whatever, any pole or structure used for the support of overhead electrical materials or devices, overhead conductors, cables, materials and devices on, by, over, through or upon the streets of the City and County of San Francisco where electrical energy has been or may be transmitted or used for the purpose of electrical lighting, heating, power, telephone, telegraph, or any other type of electrical service or transmission, except such as are in Sections 1103 to 1120, inclusive, of this Article exempted, after the time specified aforesaid for each of the designated underground districts, or who shall neglect to take down and remove the aforesaid overhead materials and devices, shall be guilty of a misdemeanor, and upon conviction, shall be fined not less than Fifty (\$50.00) Dollars or more than Two Hundred (\$200.00) Dollars for every day such poles and other aforesaid overhead equipment and devices are left standing.

SEC. 1114. Temporary Use of Poles, Overhead Materials and Devices in Underground Districts. In cases requiring the temporary use of overhead poles, structures, electrical materials and devices for the purposes of reporting conventions, meetings or other important public gatherings, or in cases of emergency, permits may be granted by the Director for the erection of overhead conductors and their supporting materials and devices for a period not exceeding sixty (60) days in each case.

SEC. 1115. Erection and Maintenance of Temporary Poles, Etc. Temporary poles, overhead conductors and electrical materials and devices shall be erected and maintained by the person, firm, partnership, corporation or public utility to whom the temporary permit has been issued, and shall be erected and maintained in conformity with the rules and regulations of the Department of Public Works of the City and County of San Francisco and General Order No. 95 of the California Public Utilities Commission.

SEC. 1116. Removal of Temporary Poles, Etc. After the expiration of a temporary permit, as specified in Section 1114 of this Article, and the emergency or special condition no longer exists, the person, firm, partnership, corporation or public utility shall remove all poles and other overhead materials and devices from said underground district. Failure to comply with the provisions of this section shall result in the same penalties as are specified in Section 1113 of this Article.

SEC. 1117. Inspection by Director of Public Works or His Representative. The Director of Public Works is hereby charged with the duty of inspection and enforcement of all ordinances, rules and regulations relative to the installation of electrical conductors, materials and devices used for the transmission of electrical energy for light, heat, power, telephone, telegraph, or any other service or distribution in and upon the streets and over and upon buildings or structures in the City and County of San Francisco.

SEC. 1118. Exemption of Trolley Poles and Conductors. Electric railways are expressly exempted from the provisions of Sections 1103 to 1120, inclusive, of this Article in so far as it affects the trolley poles and trolley wires used exclusively for the transmission of electrical power for railway purposes. The feeders or electrical service conductors for the trolley conductors shall conform to the provisions of Sections 1103 to 1120, inclusive, of this Article.

SEC. 1119. Extension of Certain Conductors Across Underground Districts. Conductors of continuous lead crossing designated underground districts or parts thereof not further than to the extent of the width of a single street are hereby exempted from the provisions of Sections 1103 to 1120, inclusive, of this Article.

SEC. 1120. Application to All Future Underground Districts. In the event that the Board of Supervisors of the City and County of San Francisco shall declare any additional underground district, the provisions as specified in Sections 1103 to 1120, inclusive, of this Article shall govern all overhead electrical conductors, poles, conductor or material supporting structures, and overhead materials and devices used for the transmission of electrical energy for lighting, heating, power, telephone, telegraph, or any other type of electrical service or distribution in and upon the streets and over and upon buildings or structures in the City and County of San Francisco.

SEC. 1121. Notification to Be Sent to Department of Electricity. Upon the establishment of any additional underground district by official declaration of the Board of Supervisors, the Director of Public Works shall send to the Chief of the Department of Electricity a written report setting forth the date of the official designation and a description of the underground district.

ARTICLE 12 MISCELLANEOUS PROVISIONS

- Sec. 1201. Department of Electricity—Definition.
 Sec. 1202. Fees for Installations Connected With Fire and Police Telegraph, Etc., Systems.
 Sec. 1203. Cost of Installation in Certain Cases.
 Sec. 1204. Removal for Failure to Pay Fees.
 Sec. 1205. Deposit of Moneys.
 Sec. 1206. Certificate of Registration.
 Sec. 1207. No Installation, Etc., by Unregistered Person.
 Sec. 1208. Installation and Ownership of Material, Etc.
 Sec. 1209. Individual Liability—Non-Liability of City and County.
 Sec. 1210. Exceptions.
 Sec. 1211. Selection of a Site for the Fire Alarm and Police Telegraph Station.
 Sec. 1212. Control by the Chief of the Department of Electricity.
 Sec. 1213. Application, Issuance of Permit and Inspection of Searchlight and Flood-light Equipment.
 Sec. 1214. Installation of Wires Used to Carry More Than 600 Volts of Electricity, Regulating.
 Sec. 1215. Temporary Permits—Exception.
 Sec. 1216. Use of Electrical Devices—Radio Signal Interference.
 Sec. 1217. Exemptions.
 Sec. 1218. Director of Department of Public Works to Enforce.
 Sec. 1219. Notice to Owner—Action of Director—Right of Entry.
 Sec. 1220. Authority of Director.
 Sec. 1221. Service of Notices.
 Sec. 1222. Penalty.

SEC. 1201. Department of Electricity—Definition. The Department of Electricity as used in this Article shall mean the Department of Electricity of the City and County of San Francisco.

SEC. 1202. Fees for Installations Connected With Fire and Police Telegraph, Etc., Systems. Every corporation, co-partnership or individual placing, installing, or causing to be placed or installed, electric wires, appliances, apparatus, construction or equipment in, on or about any building in the City and County of San Francisco, in connection with either or both of the Fire or Police Telegraph and Telephone Signal Systems, shall pay to the Department of Electricity for such installation, construction, equipment or connection, and the maintenance thereof, the following fees, viz.:

(a) For each installation or connection, and the construction and equipment thereof, to either or both of the Fire or Police Telegraph and Telephone Signal Systems, the actual cost thereof to the Department of Electricity, but not less than..... \$6.25

(b) For the maintenance and use of each electrically connected installation, construction or equipment, per month..... \$1.25

(c) For the maintenance and use of each additional part of such electrically connected installation or construction, per month \$.75

Provided, however, that the charge for said installation, construction, equipment or connection shall be due and payable at the office of the Department of Electricity upon the completion of said installation, construction, equipment or connection, and the charge for the maintenance or use for each of such installations or connections, and additional parts thereof, shall be due and payable on the first of each and every calendar month.

SEC. 1203. Cost of Installation in Certain Cases. In case the fees provided to be charged in Section 1202 of this Article shall be less than the cost of making the necessary installation, then the entire cost of materials and labor used in making such installation shall be paid by the person, firm or corporation in whose behalf the work is performed. All material so furnished or installed to be and remain the property of the City and County of San Francisco.

SEC. 1204. Removal for Failure to Pay Fees. Upon the failure or refusal of any corporation, co-partnership or individual to pay at the times specified herein, to the Department of Electricity, the charges as fixed herein, the Chief of the Department of Electricity shall, and he is hereby authorized to disconnect and remove the installation or connection and the construction and equipment thereof, of the corporation, co-partnership or individual who shall have so failed or refused to pay said charges.

SEC. 1205. Deposit of Moneys. It shall be the duty of the Chief of the Department of Electricity to deposit all moneys received under this Article into the Treasury of the City and County of San Francisco.

SEC. 1206. Certificate of Registration. Every corporation, co-partnership or individual placing, installing, operating or causing to be placed or installed, or using electric wires, appliances, apparatus, construction or equipment connected with the Fire or Police Telegraph and Telephone Signal Systems of the Department of Electricity, shall appear in person or by duly authorized representative, at the office of the Department of Electricity and shall there register his name and address in said city and county, which act, upon being sworn, shall entitle him to a Certificate of Registration, which shall be his authority for being connected with said Fire or Police Telegraph and Telephone Signal Systems, provided, however, that no Certificate of Registration shall be granted for a period of more than one (1) fiscal year or the unexpired portion thereof.

SEC. 1207. No Installation, Etc., by Unregistered Person. It shall be unlawful for any corporation, co-partnership or individual to place, install, operate or cause to be placed, installed or operated, any electrical wires, appliances, apparatus, construction or equipment in, on or about any building of the City and County of San Francisco, having connection or being connected with the Fire or Police Telegraph or Telephone Signal Systems, without first obtaining a Certificate of Registration from the Department of Electricity, as provided herein, and said Certificate of Registration must be renewed within thirty (30) days after the first day of July of each fiscal year.

SEC. 1208. Installation and Ownership of Material, Etc. All material furnished and all work done in construction, reconstruction and repairs of all installations and connections, as aforesaid, made under the provisions of this Article, shall be by the Department of Electricity, and said material, construction and equipment shall be and remain at all times the property of said city and county.

SEC. 1209. Individual Liability—Non-Liability of City and County. Nothing in this Article shall be construed to relieve from or lessen the responsibility of any person being connected as aforesaid, for damages to any property or to anyone injured by any defect therein; nor shall the city and county be held as assuming any such liability by reason of said Certificate of Registration issued by the Department of Electricity.

SEC. 1210. Exceptions. The charge of installation, maintenance and use of such installation, and each additional part of such installation, shall not apply to the members of the San Francisco Fire Department, the employees of the Department of Electricity, the Fire Marshal, the offices of the Pacific Telephone and Telegraph Company, and the headquarters of the Veteran Firemen's Association.

SEC. 1211. Selection of a Site for the Fire Alarm and Police Telegraph Station. There is hereby selected and set aside in that certain square or park known as Jefferson Square, bounded on the north by Eddy street, on the south by Golden Gate avenue, on the east by Gough street, and on the west by Laguna street, upon which may be erected by competent authority a central station for the Fire Alarm and Police Telegraph and Telephone Systems the lot, piece or parcel of land more particularly described as follows, to-wit:

Commencing at a point on the southerly line of Turk street, distant thereon three hundred twelve (312) feet and six (6) inches easterly from the easterly line of Laguna street; running thence at right angles southerly one hundred (100) feet; thence at right angles easterly one hundred (100) feet; thence at right angles northerly one hundred (100) feet to the said southerly line of Turk street, and thence at right angles westerly along said southerly line of Turk street one hundred (100) feet to the point of commencement.

SEC. 1212. Control by the Chief of the Department of Electricity. Said station, when erected, to be under the control and management of the Chief of the Department of Electricity, and said Chief of the Department of Electricity shall have power and authority, when said station is erected, to maintain across said square or park the necessary conduits, wires and lines leading to said stations.

SEC. 1213. Application, Issuance of Permit and Inspection of Searchlight and Floodlight Equipment. Application for a permit for the use of searchlight and floodlight equipment installed upon vehicles shall be made on forms provided by the Department of Public Works. The applicant shall pay to the Department of Public Works an inspection fee of Sixteen Dollars (\$16.00) for the inspection of each gen-

erating unit. Upon the payment of said fee the Electrical Inspection Division shall inspect the equipment and if there is compliance with the ordinances of the City and County of San Francisco and the rules and regulations of the Director, pertaining to searchlight and floodlight equipment, there shall be issued to said applicant a permit certifying inspection and approval for each unit inspected and approved.

SEC. 1214. Installation of Wires Used to Carry More than 600 Volts of Electricity, Regulating. It shall be unlawful for any person, firm or corporation to hereafter erect, maintain or install over, into or upon any building or other structure within the City and County of San Francisco any cable, wire or other conductor used to carry electric current of more than six hundred (600) volt pressure except as provided in Section 1215 of this Article.

SEC. 1215. Temporary Permits—Exception. The Director of the Department of Public Works, or his authorized agent, upon proper application being made, may, in emergency cases, issue a temporary permit not to exceed thirty (30) days, to erect, use and maintain overhead cable, wire or other conductors as prohibited in Section 1214 of this Article. It is further provided that the provisions of Section 1214 of this Article shall not apply to power stations or other buildings used to supply electric current.

SEC. 1216. Use of Electrical Devices—Radio Signal Interference. It shall be unlawful for any person to operate or maintain, or to cause or permit to be operated or maintained within the City and County of San Francisco, any electrical device, appliance or equipment which causes, generates or produces high frequency electrical oscillations, or other electrical disturbances which interfere with the reception of radio signals.

SEC. 1217. Exemptions. The provisions of Sections 1213 to 1221, inclusive, of this Article shall not apply:

(a) To any radio transmitting station licensed by the Government of the United States.

(b) To public utilities, lines and equipment owned and operated by them in and for general public service.

(c) To lines and equipment owned and operated by the Department of Electricity of the City and County of San Francisco.

SEC. 1218. Director of the Department of Public Works to Enforce. The Director of the Department of Public Works of the City and County of San Francisco is hereby empowered to enforce the provisions of Sections 1213 to 1221, inclusive, of this Article. It shall be the duty of the Director to adopt rules and regulations to carry out and enforce the purposes and intent of Sections 1213 to 1221, inclusive, of this Article, and by said rules to provide the manner for the inspection, examination and abatement of any electrical device, appliance or equipment mentioned in Section 1216 of this Article when the same interferes with the reception of radio signals; which said rules and regulations shall be in furtherance of the provisions of Sections 1213 to 1221, inclusive, of this Article and not in conflict therewith. Before adopting said rules and regulations the Director shall hold a hearing or hearings as to the kind and character of the rules to be adopted and notice of the time and place of said hearing shall be given by one publication of the said notice in the official newspaper of the City and County of San Francisco, and any person interested shall be given the opportunity to be heard at said meeting. The Director shall have the power to continue any such hearing from time to time without further notice, save and except the announcement of said continuance at said hearing. Upon the adoption of said rules, a copy thereof shall remain on file in the Electrical Inspection Division and shall be effective within five (5) days after the date of the filing thereof.

SEC. 1219. Notice to Owner—Action of Department—Right of Entry. When any electrical device, appliance or equipment which causes, generates or produces high frequency electrical oscillations or other electrical disturbances which interfere with the reception of radio signals is found to exist, the Director shall give notice, in writing, to the person owning, operating or maintaining said device, appliance or equipment, notifying the said person owning, operating or maintaining said device, appliance or equipment to remedy and eliminate the cause of said interference, and should the said person fail to discontinue the operation of said device, appliance or equipment at the expiration of five (5) days he shall be guilty of a misdemeanor. When any person owning, operating or maintaining any such device, appliance or equipment shall fail to remedy such defect or cause of said interference

within a period of five (5) days after the giving of said notice, the Director may take the necessary steps to eliminate said interfering conditions.

In cases of interference to police and fire department radio equipment, the Director may require the immediate discontinuance of the operation of the device, appliance or equipment causing such interference and any person thereafter operating or maintaining, or permitting the operation or maintenance of, said interfering device, appliance or equipment without the permission of the Director, shall be guilty of a misdemeanor. Whenever the Director shall have reason to believe that any electrical device, appliance or equipment is causing interference with the reception of radio signals, the Director or his authorized representative shall have the right to enter upon the premises wherein such device, appliance or equipment is operated or maintained for the purpose of inspecting the same, as well as for the purpose of abating or discontinuing the operation of such device, appliance or equipment.

SEC. 1220. Authority of Director. The Director shall have the power and authority to discontinue electrical power and lighting service to any electrical device, appliance or equipment which causes, generates or produces high frequency electrical oscillations, or other electrical disturbances which interfere with reception of radio signals.

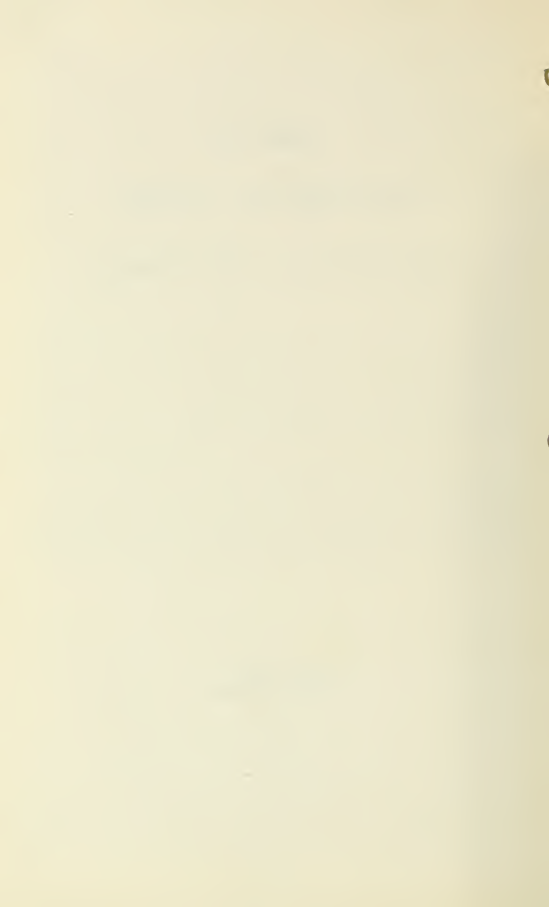
SEC. 1221. Service of Notices. Any notice to be given by the Director or any other official of the City and County of San Francisco to enforce the provisions of Sections 1213 to 1221, inclusive, of this Article, may be given by notice in writing delivered personally to the owner, operator or person in charge of any electrical device, appliance or equipment which causes, or may cause, interference with the reception of radio signals; or said notice may be posted in a conspicuous place upon the building in which said electrical device, appliance or equipment is housed or maintained; or notice may be mailed to the owner of said premises or to the person in charge thereof or operating or maintaining said device, appliance or equipment, said mail to be sent by registered United States mail with proper postage prepaid thereon; and said notice shall be deemed to be complete when posted on said premises or deposited in the United States Post Office in San Francisco with the proper postage prepaid thereon.

SEC. 1222. Penalty. Any person operating or maintaining, or causing or permitting to be operated or maintained any interfering device, appliance or equipment contrary to the provisions of Sections 1213 to 1221, inclusive, of this Article, as well as any person who interferes with the inspection by the Director, or his authorized representative, of any such device, appliance or equipment, shall be guilty of a misdemeanor and upon conviction thereof shall be punishable by a fine not to exceed Two Hundred Fifty Dollars (\$250.00), or imprisonment in the County Jail for not more than six (6) months, or by both such fine and imprisonment.

Index to
ELECTRICAL CODE
City and County of San Francisco



1951 Edition



Index

ACCESSIBILITY	Section
Projection room in theatre.....	922
AISLE LIGHTING (See THEATRES)	
ALTERATIONS	
Wiring, permit for	603
AMENDMENTS	
Procedure for	607
AMERICAN STANDARDS ASSOCIATION	
Standards to constitute prima facie evidence.....	703
APARTMENT	
Definition of	202
APARTMENT HOUSE	
Definition of	202
APPARATUS (See SIDEWALKS, STREETS)	
APPLIANCES	
Conditions for provisional approval of.....	704
Conformity with approved standards.....	703
Fees for inspection.....	705
Identification symbol of.....	702
Provisional approval of	704
Proximity to light wires, approval of.....	1005
Rating markings of.....	702
Sale, approval of.....	701
Streets, approval and filing of plans.....	1004
APPROVAL	
Absence of similar type on approved list.....	704(b)
Absence of standard for conformity.....	704(a)
Director of Public Works, authority of.....	704
Duration of temporary acceptance.....	704(c)
Plans and specifications by Director.....	1004
Sale of electrical materials.....	701
APPROVED	
Definition of	201
AREA OF A SIGN	
Definition of	801
AS DIRECTED	
Definition of	201
AS REQUIRED	
Definition of	201
ASSEMBLY HALLS	
Emergency service, classifications of.....	909(c), 909(d)
ASSEMBLY ROOM	
Definition of	202
AUDITORIUMS	
Emergency service, classifications of.....	909(a), 909(b)
BANQUET HALLS	
Emergency service, classifications of.....	909(c), 909(d)

INDEX

BILLBOARDS	Section
Electric sign, illumination of	863
BUILDING	
Definition of	202
Electric sign, connections on exterior	823
Entry, right of	602, 925
BULLETIN BOARDS	
Electric sign, illumination of	863
CABARET	
Definition of	202
CABLES (See UNDERGROUND DISTRICTS)	
Public nuisance, when to constitute	1104
CAPACITORS	
Electric sign, requirements of	857
CANCELLATION	
Certificate of registration	301(k), 301(n)
Registration, certificate of, by death	301(b)
CENTRAL PERMIT BUREAU	
Definition of	201
Fees, deposit of	406
CERTIFICATE OF REGISTRATION	
Annulment of	301(n)
Cancellation of	301(b), 301(k), 301(n)
Director, issuance of	301(k)
Fire signal system, installation or use connected with	1206, 1207
Master Electrician, requirement for	301(a)
Police signal system, installation or use connected with	1206, 1207
Reinstatement of	301(l)
Revocation of	301(b), 301(k), 301(n)
Sale of, exception from prohibition	301(e)
Sale, prohibition of	301(e)
Suspension of	301(k), 301(n)
CHANGES	
Wiring, permit for	603
CHIEF ELECTRICAL INSPECTOR	
Authority of	201
Complaints, duty to give notice of	604
Code, enforcement of	601
Defects, duty to give notice of	605
Definition of	201
Inspection, duties of	502
Representative of Director, authority as,	601
CHURCHES	
Emergency service, classifications of	909(c), 909(d)
CIRCUIT	
Electric sign, minimum size of	822
Electrical sign, required for	813

INDEX

CIRCUIT —(Continued)	Section
Exterior sign, to be separate	826
Lighting installation, each outline separate	826
CIRCUITS	
Emergency lighting, control of	914
CIRCUIT CONDUCTORS	
Electric sign, identification of	849
CITY	
Definition of	201
Non-liability for damages	608, 866, 926, 1209
CLASSIFICATIONS	
Registration	302
CODE	
Application to future underground districts	1120
COMPLAINTS	
Failure to rectify	604
Notice of	604
CONCEALMENT	
Electrical work, unlawfulness of	501
CONDEMNATION	
Defective electrical work	504
CONDENSERS	
Electric sign, not to be used in high voltage circuits	853
CONDUCTORS (See also UNDERGROUND DISTRICTS)	
Electric sign, rubber covering for	847
Electric sign, secure fastening of	846
Electric sign, soldering of	846
Public nuisance, when to constitute	1104
Underground districts, crossing of	1119
CONDUITS (See UNDERGROUND DISTRICTS)	
CONSTRUCTION	
Methods of, determination of conflict in	103
CONSTRUCTION PERMIT	
Electric sign, application for	803
CONTRACT	
Electrical or fixture work, how made	401(a)
CONTRACTOR	
Permit, issuance to	401(a)
CONTRACTOR IN FACT	
Permit holder to be	401(a)
CURRENT	
Approval tag for use	503
Temporary use of	503(a)
Use of, when unlawful	503

INDEX

CURRENT MEASURING DEVICE		Section
Exemption from provisions of Code		609
 CUTOUTS		
Electric sign, to be enclosed in metal box		842
 DAMAGES		
City, non-liability for	608, 866, 926, 1209	
 DANCE HALLS		
Emergency service, classifications of	909(c), 909(d)	
 DEFINITIONS		
Administrative terms		201
Phrases, of certain		202
Words, of certain		202
 DEPARTMENT		
Definition of		201
 DEPARTMENT OF ELECTRICITY		
Definition of		1201
Exemption from certain provisions of Code		1217
Moneys, deposit of		1205
 DEPARTMENT OF PUBLIC WORKS		
Plans, filing with		1004
 DEPOSIT		
Chief of Department of Electricity, moneys received by		1205
Registration, requirement for		301(h)
Return of		301(j)
 DERRICK (See WIRES)		
 DEVICES (See also UNDERGROUND DISTRICTS)		
Conditions for provisional approval of		704
Conformity with approved standards		703
Fees for inspection		705
Identification symbol of		702
Provisional approval of		704
Public nuisance, when to constitute	1102, 1104	
Rating markings of		702
Sale, approval of		701
 DIRECTOR		
Definition of		201
Electrical sign, power to order removal		814
Enforcement of Code, authority of		1218
Enforcement of Code, duties of		1218
Hearing, power to continue		1218
Modifications, report of		607
Rules, power to modify		607
Standards, determination of		607
 DIRECTOR OF PUBLIC WORKS		
Authority of		201
Definition of		201

INDEX

DISTRICT MESSENGER SYSTEM		Section
Exemption from provisions of Code		609
DOOR SWITCH		
Electric sign, requirement for		836
DWELLING		
Definition of		202
ELECTRICAL CODE		
Application of	103-104, 1120	
Enforcement of	601-609	
Interpretation of	105	
Purpose of	102	
Scope of	103	
Title of	101	
ELECTRICAL DEPOSIT FUND		
Establishment of	301(i)	
ELECTRICAL DEVICES		
Radio signals, unlawful interference with	1216	
ELECTRICAL DISTURBANCES		
Prevention of	1220	
ELECTRICAL INSPECTION DIVISION		
Certificate of Registration, issuance by	301(a)	
Definition of	201	
Plans and specifications to be filed with	1004	
ELECTRICAL MATERIALS		
Conditions for provisional approval of	704	
Conformity with standards of American Standards Association	703	
Conformity with standards of Underwriters' Laboratories, Inc.	703	
Fees for inspection	705	
Gift, offering as	701	
Identification symbol of	702	
Inspection of	705	
Premium, offering as	701	
Provisional approval of	704	
Rating markings of	702	
Rules for compliance, adoption of	703	
Sale, approval of	701	
Sale, determination of compliance before	701	
Sale, regulation of	701-706	
Sale, when unlawful	701	
ELECTRIC RAILWAYS (See UNDERGROUND DISTRICTS)		
ELECTRICAL SAFETY ORDERS		
Conformity of work to standards	606	
Definition of	201	
ELECTRICAL WIRING		
Plans for, approval and filing	1004	

INDEX

ELECTRICAL WORK

	Section
Approval, posting tag of	501
Concealment of, unlawful	501
Condemnation when defective	504
Inspection of	501-504
Contract for, how made	401(a)
Definition of	202
Regulations for	607
Rules for	607
Standards for	606, 607

ELECTRIC SIGN

Application for permit	805
Billboards, illumination of	863
Bulletin boards, illumination of	863
Capacitors, requirements of	857
Certificate of inspection for	807
Certificate of inspection, inquiry when made elsewhere	820
Circuit, minimum size of	822
Circuit, requirement for	813
Circuit, separate for exterior	826
Circuit conductors, identification of	849
City, non-liability for damages	866
Complaints, failure to rectify	864
Concealment of work, permit for	816
Condensers, not to be used in high voltage circuits	853
Conductors, requirement for rubber covering	847
Conductors, to be secure	846
Conductors, to be soldered	846
Construction outside San Francisco, inspection of	818
Construction, requirements for	815
Cutouts, enclosure in approved metal box	842
Cutouts, standard, use of	843
Damages, non-liability of City	866
Defects, time limit for correction	864
Definition of	801
Disconnect switch required for additional	833, 837
Door switches, requirement for	836
Electrode receptacles, approval of	854
Enclosures, construction of	839
Enclosures, exterior, to be waterproof	841
Erection of, prohibited without permit	806
Exterior of building, connections on	823
Feeder, minimum size of	822
Feeders for future use	824
Feeder, requirement for	813
Fees for permit	808
Flashers, enclosure in approved metal box	842
Flashers, standard, use of	843
Grounding of when permanently installed	856, 860
High voltage conductors, how supported	851
High voltage conductors, installation when not in sign	855
High voltage conductors, not to be spliced	852
Incandescent lamp, voltage limitation	830

INDEX

ELECTRIC SIGN—(Continued)	Section
Inspection before installation	817
Inspection of	807
Installation, requirements for	815
Installation without permit, penalty for	809
Insulated conductors, gauge of	850
Insulated conductors, to be standard	850
Lampholders, type of	845
Lamps, number on single circuit	827
Maintenance of	811
Maintenance work, performance by registered contractor	812
Materials, gauge of	840
Materials to be galvanized	840
Metal box enclosing cutout, to be weatherproof	842
Metal box enclosing flasher, to be weatherproof	842
Metal box enclosures, to be weatherproof	842, 843
Miniature type lampholders, improper use of	845
Moving of	819
Neon, disconnect switch requirement for	833
Neon, grounding of	856
Outline work without permit, penalty for	809
Panelboards, standard, use of	843
Permit holder to be contractor in fact	810
Permit, illegal use of	865
Permit, issuance of	804, 805
Permit, requirement for	802
Portable, installation of	821
Portable, requirements of	858
Regulations for installation	862
Removal of old signs	825
Removal of, when unauthorized	814
Roof, disconnect switch required for	838
Rules for installation	862
Shop inspection of	816
Sufficiency of electrical permit for	806
Switches, requirements for	832
Switches to be minimum current rating	835
Temporary, installation of	861
Terminals, to be treated with compound	846
Transformers, number on single circuit	828
Transformer, secondary open circuit voltages required for	831
Voltage limitations for	830
Wattage for single circuit	829
Wattage requirements, minimum for	844
Wireways, requirements for	848
ELECTRIC SIGNS	801-866
ELECTRODE RECEPTACLES	
Electric sign, approval of	854
ELEVATOR (See WIRES)	
EMERGENCY LIGHTING (See THEATRES)	
Arrangement of	908

INDEX

EMERGENCY LIGHTING (See THEATRES)—(Continued)	Section
Control of circuits and outlets	914
Definition of	908
When installed in same outlet box	912(a)
EMERGENCY SERVICE	
Classifications of	909
Class 1, meaning of	910(a)
Class 2, meaning of	910(b)
Conductors, capacity of	911
Raceways, separate installation in	912
EMERGENCY SERVICE CLASSES	910
EMPLOYEES	
Registration fees, when not required to pay	304
ENCLOSURES	
Electrical sign, construction of	839
Electric sign, exterior to be waterproof	841
ENFORCEMENT	601-609
Chief Electrical Inspector, authority of	601
Director, duties of	1218
Entry, right of	602
ENTRY	
Right of	602
EXEMPTIONS	
Current measuring device, temporary connecting	609
Current measuring device, temporary disconnecting	609
Department of Electricity, certain provisions not applicable to	1217
District messenger system	609
Protective signal system	609
Public utilities, certain provisions not applicable to	1217
Radio transmitting station, certain provisions not applicable	1217
Telegraph system	609
Telephone system	609
EXISTING BUILDING	
Definition of	202
EXISTING INSTALLATIONS	
Inspection of	504
EXIT	
Definition of	202
EXIT LIGHT SIGN	
Construction of	916, 916(a), 916(b)
Requirement for	915
EXTENSIONS	
Wiring, permit for	603
EXTERIOR ELECTRIC SIGN	
Definition of	801

INDEX

FEEDER	Section
Electric sign, minimum size of	822
Electrical sign, required for	813
Emergency, installation of	913
FEEDERS	
Conductors, capacity of	911
Electric sign, for future use	824
FEES (See also PERMIT FEES)	
Application for registration after first day of July	301(g)
Deficiency in, permit to be withheld	406
Electric sign, permit for	808
Fire signal system, installations connected with	1202
Inspection, how payable	705
Permit, deposit of	406
Police signal system, installations connected with	1202
Registration	301(g)
Reinstatement of registration	301(m)
Removal for failure to pay	1204
FIRE ALARM STATION	
Control by Chief of Department of Electricity	1212
FIRE SIGNAL SYSTEM	
Certificates of registration, connection with	1206, 1207
Certificate of registration, renewal of	1207
City, non-liability for damages	1209
Cost in certain cases	1203
Exceptions from charge for installation, use, etc.	1210
Fees for installations of	1202
Individual liability of person connected with	1209
Installations to be made by Department of Electricity	1208
Ownership of materials installed	1208
Site for Fire Alarm Station	1211
FIXTURE WORK	
Contract for, how made	401(a)
Definition of	202
Regulations for	607
Rules for	607
Standards for	606, 607
FLASHERS	
Electric sign, to be enclosed in metal box	842
Transformer, to have current rating	834
FLOODLIGHT EQUIPMENT	
Inspection, fee for	1213
Permit, application for	1213
Permit for use of	1213
GENERAL PROVISION	
Special provision, conflicting with	103
GIFT	
Electrical materials, offer as	701

INDEX

HEARING	Section
Rules, adoption of	1218
Rules, modification of	607
Rules, supplementary to Code	607
Standards, determination of	607
HIGH FREQUENCY OSCILLATIONS	
Interference with radio signals, prevention of	1220
HIGH VOLTAGE CONDUCTORS	
Electric sign, installation of when not in sign	855
Electric sign, requirements for	851, 852
Electric sign, support of	851
HOIST (See WIRES)	
IDENTIFICATION SYMBOL	
Alteration, unlawfulness of	702
Electrical materials, required for	702
INQUIRY	
Electric sign made elsewhere, certificate of inspection	820
INSPECTION	
Certificate, form of	502
Certificate, issuance of	502
Defects, correction of	504
Display of certificate	705
Existing installations	504
Fees, how payable	705
Interference with, when unlawful	602
Necessity for	501
Penalties for violation	706
Permit, issuance of	705
Permit, duration of	705
Person authorized to make	705
INSPECTOR	
Authority, exhibiting of	602
INSTALLATIONS	
Condemnation of	605
Contract for, how made	401(a)
Defects, correction of	504
Existing, inspection of	504
Right to disconnect	605
Unlicensed, prohibition of	301(l)
Wires carrying more than 600 volts, unlawfulness of	1214, 1215
Wires carrying more than 600 volts, when lawful	1215
INSULATED CONDUCTORS	
Electric sign, to be standard	850
INTERIOR ELECTRIC SIGN	
Definition of	801
INTERPRETATION	
Conflict between general and special provision	103

INDEX

	Section
INTERPRETATION OF CODE	105
LAMPS	
Electric sign, number on single circuit	827
LIGHTING OUTLETS	
Emergency, control of	914
LIGHTING OUTLINE	
Voltage limitation	830
LIGHT WIRES	
Appliances, approval of proximity to	1005
LODGE HALLS	
Emergency service, classifications of	909(c), 909(d)
MAINTENANCE	
Agent, responsibility for	104
Electrical wiring and installations	104
Owner, responsibility for	104
Safety devices	104
MAINTENANCE WORK	
Definition of	202
MARQUEE	
Definition of	202
MASTER ELECTRICIAN	
Classification of	302(a)
Complaints, duty to rectify	604
Penalty for failure to rectify complaints	604
Permit, issuance to	401(a), 403
Registration, certificate of	301(a)
MATERIALS	
Electric sign, gauge of	840
Fees for inspection	705
Removal in Underground Districts	1106
Requirements, determination of conflict in	103
MINOR	
Motion picture machine, operation by prohibited	906
Motion Picture Projectionist, employment as prohibited	905
MISDEMEANOR	
Inspection, interference with	1222
Interference with radio signal reception	1219, 1222
Violation of Article 7	706
MODIFICATION	
Rules of National Electrical Code, procedure for	607
MOTION PICTURE	
Projectors, permit for	901

INDEX

MOTION PICTURE PROJECTIONISTS	Section
Certificate of registration	902(b)
Emergency, temporary registration of	904
Expiration of registration	902(d)
Minor, not to be employed	905
Registration of	902
Renewal of registration	902(c)
Sworn statement for registration	902(a)
Temporary certificate of registration	903
MOTOR	
Installation in projection room	920(a)
MOVING PICTURE HOUSES (See THEATRES)	901-926
NATIONAL ELECTRICAL CODE	
Methods of, when applicable	103
Modification of rules, procedure for	607
Practices of, when applicable	103
NEON SIGN	
Disconnect switch required for	833
to be grounded	856
NIGHT CLUB	
Definition of	202
NOTICE	
Defects, corrections of	604, 605
Elimination of interference with radio signal reception.....	1219
Hearing on Rules and Regulations.....	607
Modification of rules, hearing on.....	607
Modification of rules, posting of.....	607
Modification of rules, publication of.....	607
Posting of conspicuous place on building.....	1221
Registered mail, may be sent by.....	1221
Service, when deemed complete.....	1221
Written, personal service of.....	1221
OPERA HOUSES	
Emergency service, classifications of.....	909(a), 909(b)
OWNER	
Definition of	202
Permit, issuance to	401(b), 403
OUTLETS	
Emergency lighting, control of.....	914
OUTLINE LIGHTING	
Gas filled luminous tube, disconnect switch for.....	833
Wattage for single circuit.....	829
OUTLINE WIRING	
Wattage requirements, minimum for.....	844
PANEL	
Emergency, installation of.....	913

PENALTY	Section
Complaints, failure to rectify.....	604
Electrical or fixture work without permit.....	405
Electrical sign, installation without permit.....	809
Inspection, interference with	1222
Inspection requirements, noncompliance with.....	706
Radio signal reception, interference with.....	1222
Underground districts, violation of requirements.....	1113
PERMIT	
Application for	402
Cancellation of	401(h)
Correction of defective work under.....	401(d)
Electric sign, application for.....	805
Electric sign, construction	803
Electric sign, data to accompany application for.....	805
Electric sign, issuance of.....	804
Fees, amount of	404
Fees, deposit of.....	406
Fees for electric sign	808
Fees, payment in advance of.....	403
Floodlight equipment, use of	1213
Holder, to be contractor in fact.....	401(a)
Illegal use of.....	401(f)
Master Electrician, issuance to.....	401(a), 403
Owner, issuance to.....	401(b), 403
Owner, when not issued to.....	401(c)
Penalty for violation of requirement for.....	405
Plant owner, issuance to.....	403
Poles, erection of.....	1001
Posting of	401(e)
Procedure for	401-406
Projectors, motion picture, requirement for.....	901
Public utilities, rights of.....	401(g)
Requirement for	401
Searchlight equipment, use of.....	1213
Speciality Electrician, issuance to.....	401(a), 403
Withholding of	406
PERMIT FEES	
Circuit, except lighting convenience receptacle.....	404(f)
Cold cathode lighting installations.....	404(m)
Convenience outlet receptacle.....	404(a)
Electric sign	808
Fluorescent lighting	404(n)
Heating device connection	404(h)
Inbuilt lighting fixture.....	404(n)
Inspection for which no fee prescribed.....	404(l)
Inspection temporary installation.....	404(l)
Lighting fixture connection.....	404(e)
Lighting outlet	404(a)
Lighting outlet for outline, coves, border lights.....	404(b)
Lighting outlet for panel lighting.....	404(c)
Minimum bill of fees.....	404(k)

INDEX

PERMIT FEES—(Continued)	Section
Motor not over 15 kilowatts, kva, horsepower.....	404(g)
Motor over 15 kilowatts, kva, horsepower.....	404(g)
Screw base lamp receptacle with terminal fittings.....	404(i)
Switch	404(a)
Temporary wiring and connecting equipment.....	404(j)
Transformer not over 500 volt-amperes for neon.....	404(d)
Transformer over 500 volt-amperes for neon.....	404(d)
PERMIT HOLDER	
Contractor in fact, required to be.....	401(a)
PERSON	
Definition of	202
PLACES OF PUBLIC ASSEMBLY (See THEATRES)	901-926
Emergency lighting, arrangement of.....	908
Emergency lighting, definition of.....	908
Emergency lighting, intensities of.....	908(a)
PLANS	
Electrical wiring, approval and filing.....	1004
PLANT OWNER	
Conditions of work, compliance with.....	305
Classification of	302(c)
Duty to report.....	304
Electrical or fixture work, performed without cost.....	305(3)
Employees, necessity for registration	305(1)
Employees, not required to pay registration fee.....	304
Employees, report on.....	304
Permit, issuance to	403
Registration, certificate of.....	301(a)
Tenant of, performance of work for.....	305(3)
Work, when unlawful.....	305
PLANT SURVEY	
Chief Electrical Inspector, duty to make.....	303
Requirement for	303
POLES (See also UNDERGROUND DISTRICTS)	
Attachments, limitations on	1003
Erection, permit for.....	1001
Erection, regulation of	1001
Light poles, unlawful proximity to	1002
Maintenance in proximity to light poles	1002
Painting, requirement for	1003
Public nuisance, when to constitute	1104
Removal in Underground Districts	1106
POLICE DEPARTMENT	
Code, enforcement of	601
POLICE SIGNAL SYSTEM	
Certificate of registration, connection with	1206, 1207
Certificate of registration, renewal of	1207
City, non-liability of	1209

INDEX

POLICE SIGNAL SYSTEM—(Continued)	Section
Cost in certain cases	1203
Exceptions from charge for installation, use, etc.	1210
Fees for installations of	1202
Individual liability of person connected with	1209
Installations to be made by Department of Electricity	1208
Materials installed, ownership of	1208
Police Telegraph Station, site of	1211
POLICE TELEGRAPH STATION	
Control by Chief of Department of Electricity	1212
Site of	1211
PREMISES	
Definition of	202
PREMIUM	
Electrical materials, offer as	701
PRIMA FACIE EVIDENCE	
Conformity to standards of American Standards Association, as	703
Conformity to standards of Underwriters' Laboratories, Inc., as	703
PROJECTION ROOM (See THEATRES)	
Accessibility of	922
PROJECTORS	
Motion picture, installation of	901
Permit, requirement for	901
PROTECTIVE SIGNAL SYSTEM	
Exemption from provisions of Code	609
PUBLICATION	
Regulations, modification of	607
Rules, modification of	607
PUBLIC NUISANCE (See UNDERGROUND DISTRICTS)	
PUBLIC UTILITIES	
Exemption from certain provisions of Code	1217
Permit not required public service operations	401(g)
PULL BOXES (See UNDERGROUND DISTRICTS)	
PURPOSE OF CODE	102
RACEWAYS	
Emergency service system, separate installation in	912
RADIO SIGNALS	
Electrical devices interfering with	1216
Notice relating to interference, service of	1221
Notice to eliminate interference with reception	1219
Penalty for interference with inspection	1222
Penalty for interference with reception	1222
RADIO TRANSMITTING STATION	
Exemption from certain provisions of Code	1217

INDEX

RATING MARKINGS	Section
Necessity for	702
REGISTERED CONTRACTOR	
Electrical sign, maintenance work by	812
REGISTRATION	
Certificate of	301(a)
Classifications of	302
Deposit, requirement upon	301(h)
Emergency, temporary certificate of	904
Exemptions from	301(d)
Expiration of	301(f)
Fees for	301(g)
Motion picture projectionists, expiration of	902(d)
Motion picture projectionists, renewal of	902(c)
Motion picture projectionists, certificate of	902(b)
Motion picture projectionists, sworn statement of	902(a)
Place of	301(a)
Projectionists, motion picture	902
Public utility exemption from	301(d)
Renewal of	301(a), 301(e)
Requirement of	301
Revocation of	301(b), 301(k), 301(n)
Suspension of	301(k), 301(n)
Unlicensed installations prohibited	301(l)
Uses of, unlawful	301(n)
REGISTRATION CLASSIFICATIONS	302
Master electrician	302(a)
Plant owner	302(c)
Specialty electrician	302(b)
REGULATIONS	
Adoption of	607
Modification of	607
REINSTATEMENT OF CERTIFICATE	
Fee for	301(m)
REMOVAL	
Electric sign, when new installed	825
Electric sign, when unauthorized	814
Installations, for failure to pay fees	1204
REPAIRS	
Definition of	202
REPEAL	
Procedure for	607
REPORT	
Rules, modification of	607
Rules, supplementary to Code	607
RIGHT OF ENTRY	602, 925
Abatement of interference with reception	1219
Inspection of interference with reception	1219

INDEX

ROOF SIGN	Section
Disconnect switch required for	838
RULES	
Additions to, procedure for	607
Adoption of	607
Amendment of, when to be made	607
Changes, effective date of	607
Effective date of	1218
Exemptions from application of	609
Modification of	607
Repeal of	607
Supplementing of	607
SALE (See also ELECTRICAL MATERIALS)	
Approval of material for installation and use	701
Electrical materials, regulation of	701-706
SAMPLE	
Acceptance in emergency	704(d)
SAN FRANCISCO	
Definition of	201
SCAFFOLD (See WIRES)	
SCHOOL AUDITORIUMS	
Emergency service, classifications of	909(c), 909(d)
SCOPE	103
SEARCHLIGHT EQUIPMENT	
Inspection, fee for	1213
Permit, application for	1213
Permit for use of	1213
SERVICE CONDUCTORS (See UNDERGROUND DISTRICTS)	
SIDEWALKS	
Apparatus on, filing approved plans for	1004
Appliances on, filing approved plans	1004
Construction on, filing approved plans for	1004
Electrical wiring on, filing approved plans for	1004
Poles, erection on	1001
Exception to requirement for electrical sign permit	806
SITE	
Fire Alarm Station, selection of	1211
Police Telegraph Station, selection of	1211
SKATING RINKS	
Emergency service, classifications of	909(c), 909(d)
SPECIALTY ELECTRICIAN	
Classification of	302(b)
Complaints, duty to rectify	604
Penalty for failure to rectify complaints	604
Permit, issuance of	401(a), 403
Registration, certificate of	301(a)

INDEX

SPECIFICATIONS	Section
Filing with Electrical Inspection Division	1004
STANDARDS	
Director, determination of	607
Electrical Safety Orders, conformity to	606
National Electrical Code, conformity to	606
Requirement of	606
STATE	
Definition of	201
STATE SAFETY ORDERS	
Definition of	201
Effect as approved methods and practices	103
Modification of, procedure for	607
STREETS	
Apparatus on, filing approved plans for	1004
Appliances on, filing approved plans for	1004
Electrical wiring on, plans approved and filed	1004
Poles, erection on	1001
STRUCTURE	
Definition of	202
Entry, right of	602
Public nuisance, when to constitute	1104
SUPERINTENDENT	
Definition of	201
SWITCHES	
Disconnect for neon, etc., signs	833
Dressing room in theatre, required for	923
Electric sign, requirements for	832
Electric sign, to be minimum current rating	835
Projection room in theatre	921
Roof sign, disconnect for	838
Transformer, to have current rating	834
TELEGRAPH SYSTEM	
Exemption from provisions of Code	609
TELEPHONE SYSTEM	
Exemption from provisions of Code	609
TERMINALS	
Electric sign, treatment with compound	846
THEATRES	901-926
Accessibility of projection room	922
Aisle lighting, requirement for	908(b)
Are lamp, installation in projection room	920(b)
Are rectifier, separate ventilated room for	920(c)
Bracket lamps in dressing room, to be protected	923(a)
Bracket lamps, installation of	923(b)
Control of motors	920(d)
Cords in projection room	920(e)

INDEX

THEATRES—(Continued)	Section
Current rectifiers, separate ventilated room for	920(c)
Damages, non-liability of City	926
Dimmers controlled from projection room	918(b)
Dimmers, installation of	918(a)
Dimmers mechanically controlled	918(c)
Dressing room, switches required for	923
Electrical wiring, installation of	917
Emergency lighting, arrangement of	908
Emergency lighting, definition of	908
Emergency lighting, intensities of	908(a)
Emergency service, classifications of	909(a), 909(b)
Enforcement of Code	924
Entry, right of	925
Fan, ventilating for projection room	919
Feeder motors, protective devices for	920(h)
Filters, separate ventilated room for	920(c)
Fuses in projection room	921
Fuses, not allowed in projection room	918(d)
House light control from projection room	918
Impedances, separate ventilated room for	920(c)
Lamps in projection room	920(f)
Motor generators, separate room for	920(c)
Motor, installation in projection room	920(a)
Protective devices in projection room	920(g)
Resistances, separate ventilated room for	920(c)
Right of entry	925
Storage batteries, separate ventilated room for.....	920(c)
Switches in projection room.....	921
Wiring, equipment for projection room.....	920
Wiring, requirements for	907
TITLE OF CODE	101
TRANSFORMER	
Electric sign illumination, voltage limitation	830
Electric sign, number on single circuit.....	828
Secondary open circuit voltages, when to have.....	831
TROLLEY CONDUCTORS	
Exemption in Underground Districts	1118
TROLLEY POLES	
Exemption in Underground Districts	1118
UNDERGROUND DISTRICTS	1101-1121
Cables over or upon street unlawful.....	1102, 1103
Code, application to future districts	1120
Conductors, removal of	1105, 1111
Conductors to terminate in pull boxes	1107
Conduits, electrical, to be installed by owner	1108, 1109
Crossing by conductors of continuous lead	1119
Designation of	1101
Devices over or upon street unlawful.....	1102, 1103

INDEX

UNDERGROUND DISTRICTS—(Continued)	Section
Devices to be removed.....	1105
Director of Public Works, authority of.....	1112
Director of Public Works, duties of.....	1112
Electrical support structure upon street unlawful.....	1102, 1103
Electric railways, exemption of	1118
Erection of temporary poles	1115
Exemption of trolley conductors	1118
Exemption of trolley poles	1118
Extension of conductors of continuous lead.....	1119
Extension of conduits to pull boxes.....	1110
Failure to install conduits	1111
Failure to remove overhead installations, penalty for.....	1113
Inspection of	1117
Materials prohibited over or upon street.....	1103
Materials to be removed	1105
Notice of additional district	1121
Overhead wires, erection of prohibited.....	1102
Overhead wires, removal of	1102, 1103
Overhead wiring, maintenance of unlawful	1103
Penalty for noncompliance with removal requirements	1113
Permit for temporary poles	1114
Poles, erection of prohibited	1102
Poles over or upon street unlawful	1102, 1103
Poles, removal of	1101
Public nuisance, what to constitute	1102, 1104
Pull boxes, notice of installation.....	1107
Pull boxes, electrical service conductors to terminate in	1107
Purpose of	1101
Removal of temporary poles	1116
Service conductors, installation of	1110
Telegraph service conduits, installed by owner.....	1109
Telephone service conduits, installed by owner.....	1109
Temporary poles, maintenance of	1115
Temporary poles, use of	1114
Times for removal of poles, materials and devices	1106
UNDERWRITERS' LABORATORIES, INC.	
Standards of, to constitute prima facie evidence.....	703
UNLAWFUL WORK	
Plant owner, what to constitute.....	305
UNLICENSED INSTALLATIONS	
Prohibition of	301(1)
VIOLATION	
Additional penalties	301(n)
Complaints, failure to rectify	604
Electrical or fixture work without permit	405
Electric sign, installation without permit	809
Inspection, interference with	1222
Inspection requirements, noncompliance with	706
Radio signal reception, interference with	1222
Underground districts, noncompliance with requirements.....	1113

INDEX

VOLTS	Section
Wires carrying more than 600 volts, unlawfulness of.....	1214, 1215
WIRES (See also UNDERGROUND DISTRICTS)	
Appliances in proximity to	1005
Derrick in proximity to.....	1005
Elevator in proximity to	1005
Hoist in proximity to	1005
Scaffold in proximity to	1005
Use to carry more than 600 volts, temporary permit for	1215
Use to carry more than 600 volts, when unlawful.....	1215
WIRING	
Alteration, permit for	603
Changes, permit for	603
Disturbance of, when unlawful	603
Extensions, permit for	603
Motion picture house, installation of.....	917
Removal in Underground Districts	1111
Theatres, installation of	917
WIREWAYS	
Electric sign, requirements for	848

REF
352
SA52ELE
1951

**SAN FRANCISCO
PUBLIC LIBRARY**

85-51

PRINTED BY
PERNAU-WALSH PRINTING CO.
755 MARKET STREET
SAN FRANCISCO



12709^{ss}•1

